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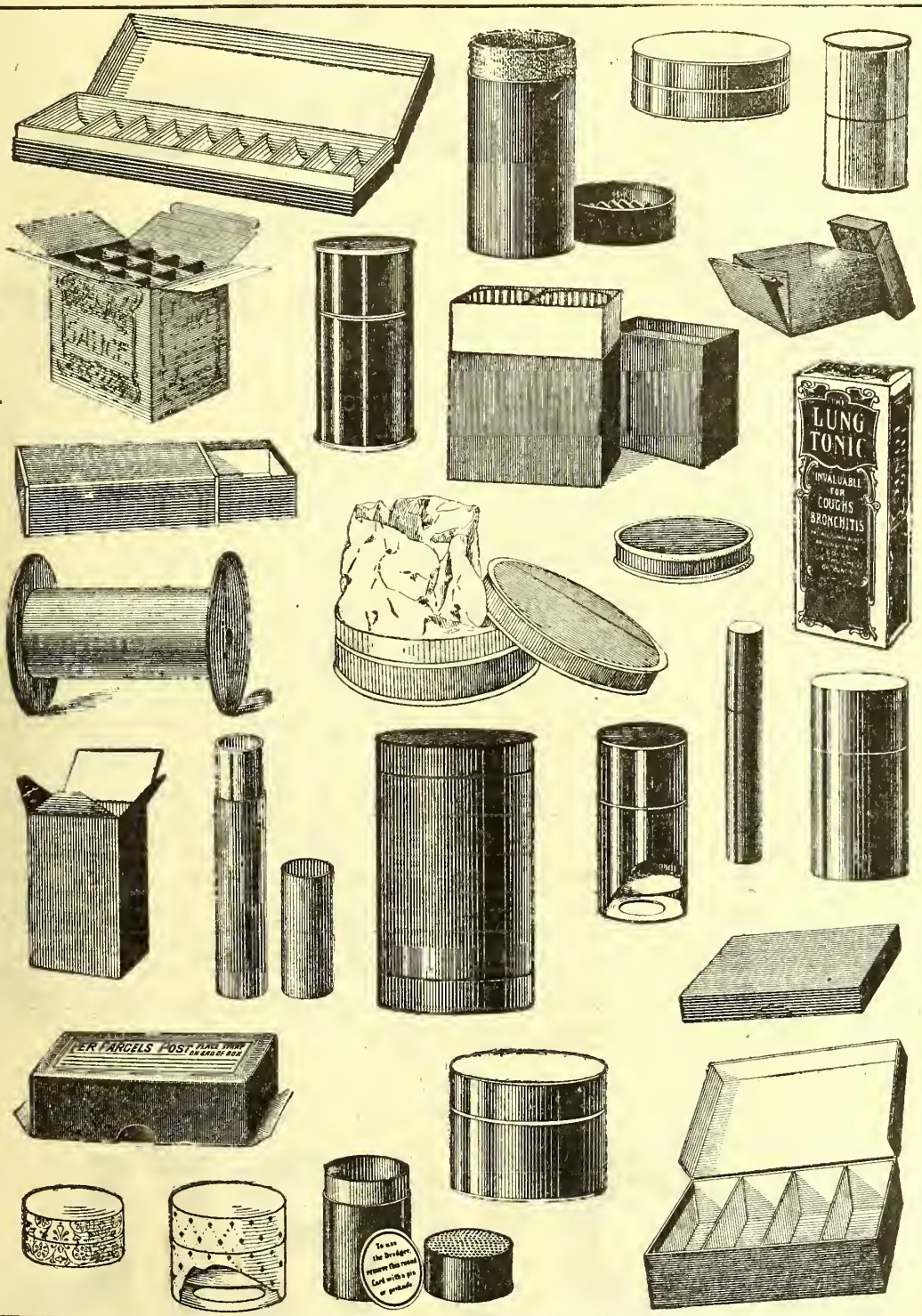

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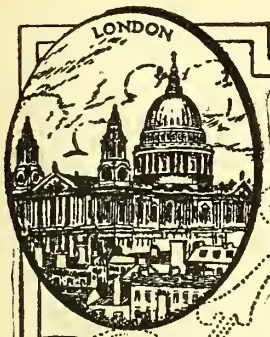

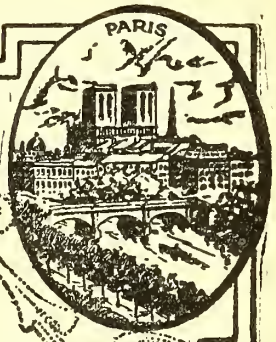

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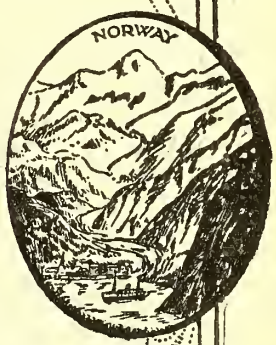

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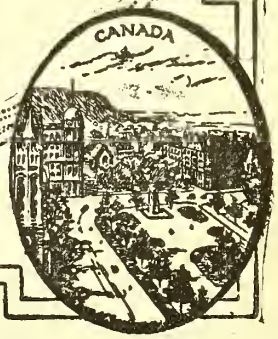

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Every Competitor, whether large or small, stands an equal chance of winning a prize.

Any photograph will do as long as it conveys the idea.

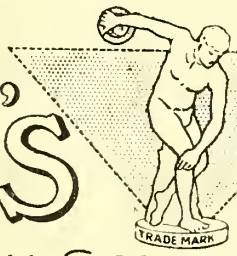
You need not necessarily devote the whole window to the display—make the best show you can in the most space you can spare.

You may enter for the competition as often as you like, provided each display is for one article only. If you pride yourself on your ability to dress a window, here is an opportunity to show your skill and also to win a prize. Send to-day for full particulars, together with a helpful article on the "Art of Window Dressing."

JOHN BULL

Window-Dressing Competition (Dept. C. 3),
90 Long Acre - - - LONDON, W.C. 2.

Maw's Page.



S·MAW·SON & SONS·LTD
7/12. ALDERSGATE ST. LONDON. E.C.I., ENGLAND.

No. 418.
18:10:19

The Future

Much has been written concerning the perils of the State and the shortcomings of those who work and those who spend injudiciously.

THE NEW WORLD.

We do not suppose that anyone will dispute the fact that the only way to complete recovery to the Solid Fabric on which the New World must be founded is to WORK—WORK WELL—and WORK BETTER.

OUR BUSINESS PRINCIPLES

were laid down over 100 years ago. To-day, we are known as "MAW'S, THE HOUSE OF THE MOMENT."

OUR FUTURE.

We look forward to the future with cheery hopefulness, certain of the policy that has rewarded this organisation with the confidence of its many friends.

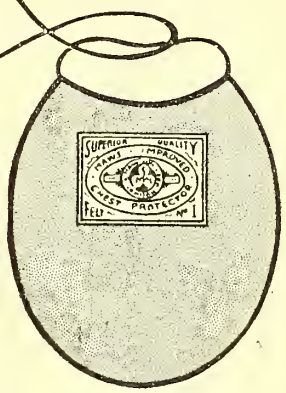
OUR ASSURANCE.

You have our complete assurance that the "House of Maw" will WORK progressively to continue the justification of this confidence.

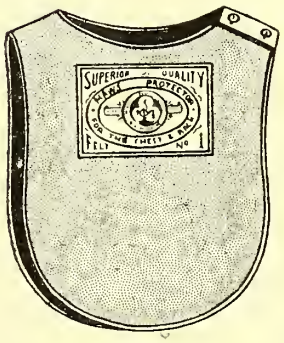
Discus

For Your WINTER TRADE

At this period of the year especially, Chest Protectors are always in demand. Being actual makers we are able to offer pharmacists the very best value and quality.
Maw's Improved Chest Protectors are made of super quality grey and red felt giving the maximum of protection with lightness.



SINGLE CHEST PROTECTOR.



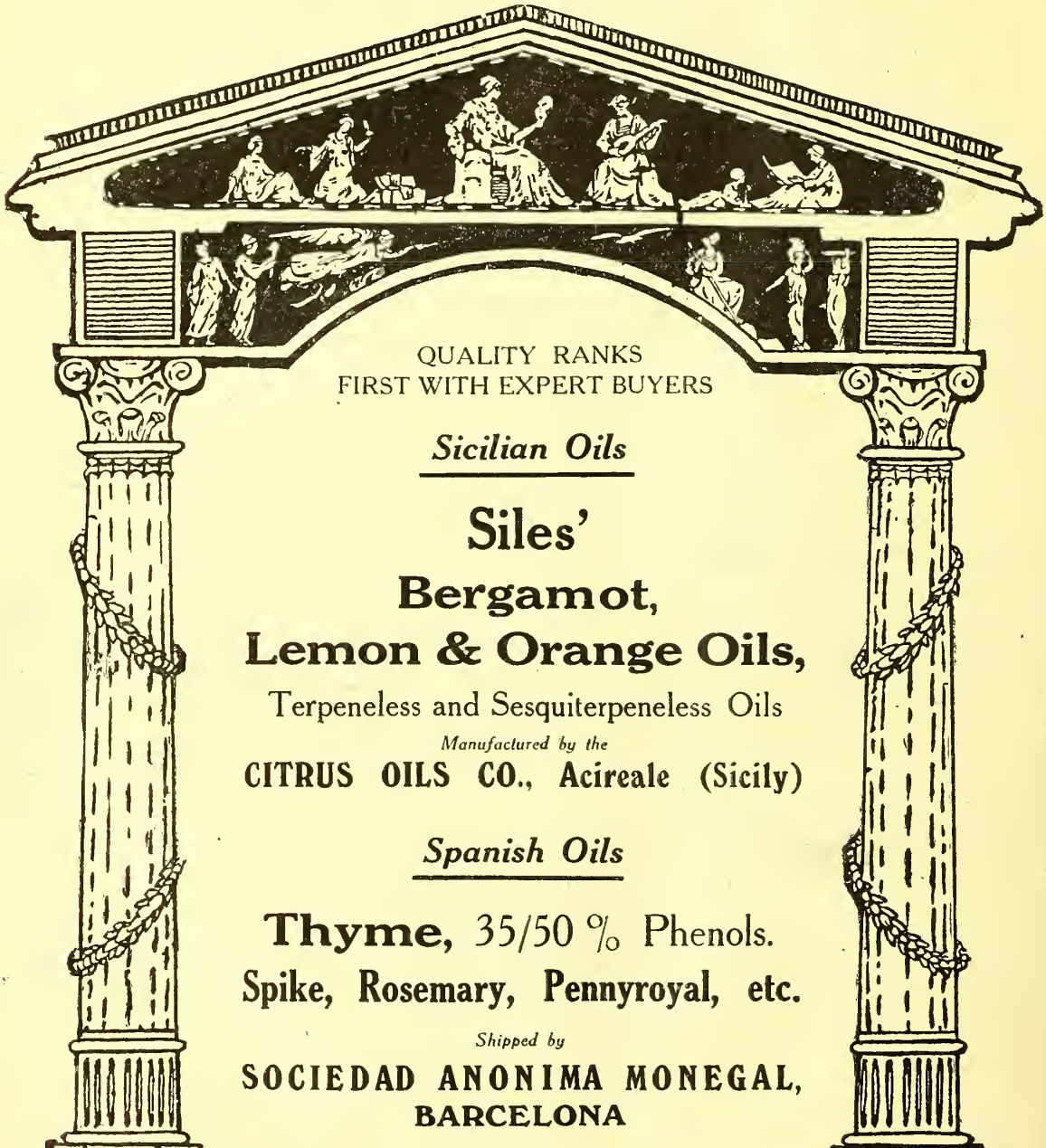
DOUBLE CHEST PROTECTOR

PRICES.

Single				
No. 1	...	...	**13/6**	per doz.
,, 2	...	...	**18/6**	,,
,, 3	...	...	**23/-**	,,
,, 4	...	...	**29/6**	,,
,, 5	...	...	**34/6**	,,
Double				
No. 1	...	...	**27/-**	per doz.
,, 2	...	...	**34/6**	,,
,, 3	...	...	**42/6**	,,
,, 4	...	...	**52/-**	,,
,, 5	...	...	**65/-**	,,

In view of the possibility of advancing prices, we advise pharmacists to order now. These patterns are worthy examples of "Maw Quality."

"Maw's—The House of the Moment."



QUALITY RANKS
FIRST WITH EXPERT BUYERS

Sicilian Oils

Siles'

Bergamot,

Lemon & Orange Oils,

Terpeneless and Sesquiterpeneless Oils

Manufactured by the

CITRUS OILS CO., Acireale (Sicily)

Spanish Oils

Thyme, 35/50 % Phenols.

Spike, Rosemary, Pennyroyal, etc.

Shipped by

SOCIEDAD ANONIMA MONEGAL, BARCELONA

Telegrams: "Gingerade, Fen, London"

Agency and Depot:—

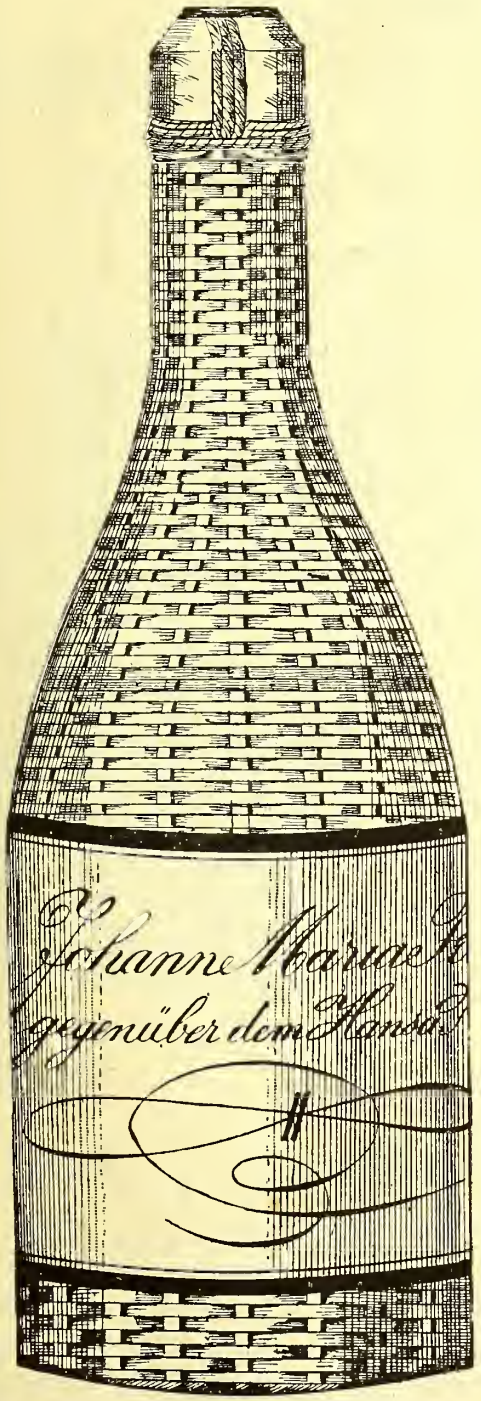
W. H. HOBBS & Co. Ltd.

TRINITY PLACE, LONDON, E.C. 3.

Telephones: Avenue 666 and 1544

EAU DE COLOGNE

GENUINE J. M. FARINA BRAND, GEGENÜBER DEM HANSA PLATZ.



A Proprietary acquired by the present Manufacturers in 1898, and since distilled in London, true to the original formula. Unequalled for quality and value

REPUTED CAPACITIES:

¼	½	1	2 pt. wickers
67/-	87/-	168/-	336/- dozen

1	2	4	8 oz. glass
18/6	33/-	63/-	120/- dozen

Discounts :

Less than £5 value 10 %
Parcels of £5 and over net value 10 % and 5 %
,, £10 ,, ,, ,, 10 %, 5 %, 2½ %
,, £20 ,, ,, ,, 10 % and 10 %

EFFECTIVE SHOWS ARRANGED

WICKERS OF HIGHEST QUALITY PRODUCED
IN OWN LONDON WORKS

A second quality bearing J. M. FARINA Mark is offered at the following rates :—

½	1	2 pt. wickers
52/-	100/-	186/- dozen net

Parcels of £20 and over 5 % discount

1	2	4	8 oz glass
11/6	19/6	37/6	66/- dozen net

Parcels of £10 and over 2½ % discount.

SAMPLES ON APPLICATION
Early Orders invited for Christmas demand
Bonded Rates on application

F. SCHUTZE & CO., LTD.

MANUFACTURING PERFUMERS,
"Black Bull" Works,
CALEDONIAN MARKET, N.7

Order now for the Xmas Trade!

BUISSON FRÈRES'

ORIENTAL POPPY

An Eastern perfume of wonderful fragrance and great lasting power, packed in dainty bottles and cartons — *just the thing to attract the public.*

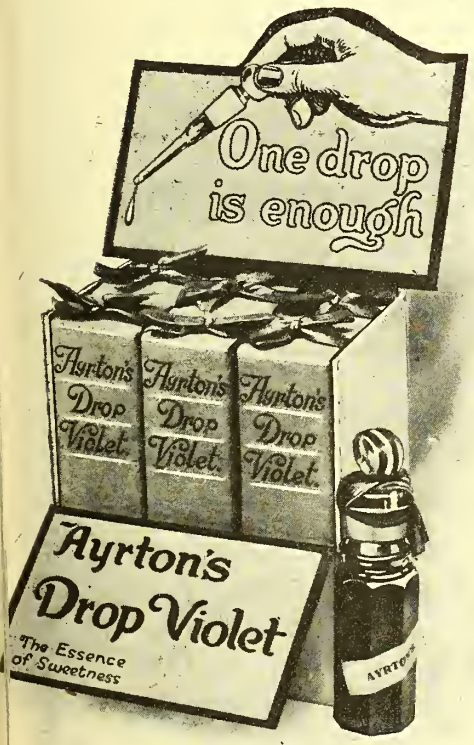
SOLE PROPRIETORS:

W. J. BUSH & CO., LTD.

ASH GROVE, HACKNEY, E.8.

One drop is enough!

PAGE 16 AYRTON'S



Ayrton's Drop Violet

the sweetest and strongest of Violet odours. One drop is enough to delight the most sophisticated sense of smell.

Ayrton's Drop Violet is packed in the characteristic drop-bottle with elongated stopper. Each bottle is in a dainty carton, and 6 cartons are in the most intriguing little counter case imaginable.

They take up the minimum of space, and will make the maximum of sales.

Retail price	- -	2/6 per bottle
Wholesale	- -	18/- per dozen

Preliminary Notice:

Ayrton's Drop LILAC will be ready shortly.

AYRTON, SAUNDERS & CO. LTD. LIVERPOOL

'ERASMIC' PERFUMERY

XMAS SEASON, 1919

PERFUMERY for your Christmas Trade should be ordered immediately if you wish to have it in stock ready to supply the enormous demand for "Erasmic."

Owing to the difficulties under which we are working, we regret we cannot guarantee delivery unless we know your requirements at once.

Please communicate with our Representative, or direct with

'ERASMIC,' Perfumers, WARRINGTON

ZENOBIA Eau de Cologne and Zenobia Lavender Water, on account of their delightful fragrance and general excellence, are assured of lasting popularity with your customers. Once used, they need no further recommendation.

Ideal as perfumes—refreshing as restoratives—and invaluable as purifiers in the sick-room.

ZENOBIA

EAU DE COLOGNE **LAVENDER WATER**

Eau de Cologne
Retail Prices: 1/6 to 40/- per bottle.
Wholesale Prices, per doz.: 13/6 to 360/-

Lavender Water
Retail Prices: 3/- to 25/6 per bottle.
Wholesale Prices, per doz.: 27/- to 229/6.
Less usual discount.

Zenobia Eau de Cologne and Zenobia Lavender Water in the watch-shaped bottles are especially quick sellers; they are most convenient for hand-bag, suit-case or pocket.

ZENOBIA Ltd., LOUGHBOROUGH, LEICESTERSHIRE.

Attractive and Profitable Lines which Sell at Sight.

Norma's Eau de Cologne & Lavender Water

QUALITY PAR EXCELLENCE.
PACKED IN EXCLUSIVELY DESIGNED BOTTLES & LABELS

PRICES:

	per Doz.		Retail
Eau de Cologne, 2 oz.	25/6	...	3/-
,, 4 oz.	45/-	...	5/6
Lavender Water, 2 oz.	28/6	...	3/6
,, 4 oz.	52/6	...	6/6

Also in larger sizes *pro rata*.

SPECIAL QUOTATIONS for QUANTITIES

From your Wholesale House, or

WALDEN, WALDEN & CO.

Manufacturing Perfumers,
89 Great Portland St., LONDON, W. 1

Les Parfums de Nicolaï

Wholesale and Export only.

SHOWROOMS: Piccadilly Circus, W.1

HEAD OFFICE: 19 Hand Court, High Holborn, W.C.1

Lancashire and Cheshire Agents: Messrs. Midgley, Ltd., Mayes Street, Manchester.

Send your order to-day for

"NICOLAÏ"

Toilet Preparations.

"NICOLAÏ"	Vanishing Cream -	8/6 per doz.
,,	Face Powder (Asstd.) (Beautifully Scented)	24/- ,,
,,	Brilliantine - -	8/6 ,,
,,	Eau de Cologne 2 oz.	24/- ,,
,,	,, ,, 4 oz.	42/6 ,,
,,	Lavender Water	22/6 ,,
,,	,, ,, 2 oz.	32/- ,,

A.F.A. Chemical Co., Ltd.

HIGH CLASS SURGICAL DRESSINGS

Telephone: 694 Stockport.
Telegraphic and Cable Address: "Undisputed Stockport."

CODES: 5th Edition ABC, Marconi and Lieber's.

IF

a sudden call were made for Pneumonia Jackets, would you be ready to supply? Don't wait till the epidemic comes before you order.

ORDER NOW

"ZORBO" JACKETS.

No. 1	9/- doz.	No. 4	19/- doz.
,, 2	11/3 ,,	,, 5	23/- ,,
,, 3	15/6 ,,	,, 6	27/6 ,,

Nos. 3, 4 & 5 are the best sellers, but you should have a few of the others as well.

London Warehouse: **151/7 Goswell Road, E.C.1.**

Phone: Central 3326.

ROBERT BAILEY & SON,
SURGICAL DRESSING MANUFACTURERS,
MARRIOTT STREET MILLS, STOCKPORT.
CABLES UNDISPUTED, STOCKPORT. CODE A.B.C 5TH EDITION.

"SANOID"
THERMAL WOOL

(GAUZE TISSUED)

An efficient remedy for Rheumatism, Gout, and all Chest Affections.

9d. Cartons ... per doz. 6/6; per gross 72/-
1/6 ,, ... ,, 11/6; ,, 132/-

Showcard with 3 dozen lots.

Name and Address printed on labels for orders of 6 doz. lots.

CUXSON, GERRARD & Co. Ld
OLDBURY, near BIRMINGHAM.

Export and Colonial inquiries specially invited.

Three Farthings
per inch per thousand

is the cost of advertising
space in the

NEWS OF THE WORLD

at the new rate of
£11. 5. 0. per inch

CIRCULATION EXCEEDS

3,250,000

COPIES PER ISSUE

There is NO known form of publicity that costs so little.

There is NO known medium that gives better RESULTS.

30-32 Bouverie Street,
London, E.C. 4.

Owing to the continued rise in the cost of production, we are compelled to advance the wholesale price of

DINNEFORD'S MAGNESIA

ON AND AFTER OCTOBER 20 NEXT

as follows:

Small size .... 10/6 per dozen net.
Large size .... 24/- „ „

The advertised retail prices will be 1/3 and 2/9. As the orders already in hand are far greater than our present restricted output can cope with, we cannot guarantee delivery of any of them before October 20, but we will distribute our stocks as fairly as possible.

The minimum quantity supplied will be 12 dozen small size, or, if both sizes are required, not less than £6 worth. Carriage Paid.

DINNEFORD & CO. LTD.,,
17 MORTIMER STREET, W. 1.

Phone: Museum 1776.

DECOLTENE The liquid hair remover

The intelligent depilatory. Simple, safe and effective. Can be used while performing the toilet.

Dinkie The Dainty Deodorant

The greaseless cream that takes all odour out of perspiration. Packed in attractive opal jars.

DIADEM Crême Rouge

Gives a natural colour to the cheeks. Far more convenient in use than dry rouge. Easily removable.

DIADEM Face Powder

Adheres readily to the skin. Made in Blanche, Naturelle, Rachel, Rose and Sunburn tints. In large artistic boxes, in distinctive style.

DIADEM Eau de Cologne.

A Perfume of most exquisite fragrance. Cooling, lasting and refreshing. In handsome sprinkler bottles.

DIADEM Vanishing Cream

A cream of rare purity and charm, put up in novel white globes and packed in dainty boxes in attractive style.

DIADEM WAX For the Complexion

Completely supersedes the customary greasy Toilet Creams. Pleasant in use and commands ready sales. In elegant large jars.

DIADEM Talcum Powder

The ideal powder for Nursery and Toilet. Choicely perfumed, and may be used with impunity on the most sensitive skin.

TRADE TERMS.

	P.A.T.A.	Trade per doz.
Decoltene Depilatory	3/9 ..	30/-
Dinkie Deodorant	2/6 ..	20/-
Diadem Face Powder	2/6 ..	20/-
,, Complexion Wax	2/6 ..	20/-
,, Crême Rouge	2/6 ..	20/-
,, Vanishing Cream	3/9 ..	30/-
,, Talcum Powder	1/3 ..	10/-
,, Eau de Cologne .. 1 oz.	1/9 ..	14/-
,, ,, ,, .. 2 oz.	3/3 ..	26/-
,, ,, ,, .. 4 oz.	6/- ..	48/-

NOTICE.

Artistic Showcards and Counter Matter free on request.

Robartes' Preparations are obtainable from all leading wholesale houses.

Largely advertised in all the leading dailies, weeklies and monthlies.

Further particulars and descriptive booklet forwarded on request.

ROBARTES, Ltd., Dyer's Buildings, Holborn Bars, London, E.C.I.

CARMOL LTD. Washington Street BIRMINGHAM

SPECIAL LINES.

TOOTH POWDERS

CARBOLIC
WHITE CARBOLIC
OXYGEN
SMOKERS'

Small size **1/3** doz., **14/-** gross
Large ,, **3/3** ,, **36/-** ,,

Special Quotations to large Buyers.

Attractively Decorated Tins

TOOTH PASTES

TUBES.

CARBOLIC
CHERRY
ARECA NUT
THYMOL
FORMALIN & MINT

5/- doz. - - **57/-** gross

Attractive Designs.

Own Name on 3 dozens.

Show Outers Supplied.

DO

ou run a skin soap or toilet soap under your own name or brand? We ave been approached by so many chemists lately, all desirous, for one eason or another, of transferring the manufacture of their own speciality oap and entrusting the same to a soapmaker *within* the drug trade, whose pecial reputation is for soap of purity of base, that we venture to ask

YOU

ir, if *you* are open to receive suggestions in this connection. If you have lready your own branded soap and desire to retain similarity of appearance, lour, shape, wording, etc., whilst securing advantage of price and the urest soap base extant, send us a tablet for report. Our range of moulds already exhaustive; probably we have yours. In the flood of soaps on the arket to-day, handled by every class of trader, the chemist should

SELL

e which stands out as something a bit better than the rest. Again, where a emist has the supreme advantage over all other traders is in the field of edicated soaps, which cannot be touched by his competitors outside the ug trade. It is not sufficient, however, to stock a few tablets; consider w wide the field of prospective buyers! Make a department of it and the sult will be found to exceed all expectations. May we submit to *you rsonally* a concrete suggestion for *your own special* brand of

SOAP?

DGLEYS, SOAP SPECIALISTS, MANCHESTER. ESTD. 1833.

IT ONLY COSTS NINEPENCE PER LB.

TO MAKE A FIRST-CLASS VANISHING COLD CREAM WITH

THE IDEAL BASE FOR **WENO** VANISHING TOILET CREAMS

(REGISTERED)

It can easily be made in about fifteen minutes.

1 lb. **3/6** - 4 lb. **13/8** - 7 lb. **23/4** net.

POSTAGE EXTRA.

SOLE AGENTS—

MECCESON & CO., LTD.

NEW CHURCH ST., BERMONDSEY, LONDON, S.E.

On the P.A.T.A. Always in demand.

"SoToL" Antiseptic Mouth & Throat WASH

Less than 1 gross **14/-** doz.
1 gross **160/-**.
Sold to the Public at **1/6**.

"SoToL" NON-CARBOLIC **Tooth Powder**
sold to the Public in Shilling Boxes, Tins or Flasks—to Pharmacists at
8/- per doz. **7/9** by 6 doz.
7/6 per doz. in gross lots and up.

"SoToL" Tooth Paste.
1/3 per tube. **10/-** per doz. Trade Price.

Inquiries for Advertising Matter, Prices, &c., to
THE
WESTERN DENTAL MFG. CO., Ltd.
74 Wigmore Street, London, W.1.

Please Note Alteration in ADDRESS.

Cold Cream

IN POTS, TINS, OR BULK.

ABSOLUTELY DEPENDABLE.
BRINGS REPEATS EVERY DAY.

Lavender Ice

FOR CHAPPED HANDS

A QUICK WINTER SELLER.

ALSO

Lanoline Cream, Lip Salve, Camphor Ice, Tooth Powders, Brilliantines, &c.

Samples free on application to

The Casson Chemical Co., Ltd.,
NEWTON RD., WESTBOURNE GROVE, W.2
Phone : Park 2884.

SALES
BEAT ALL RECORDS.

INDIAN PERFUME BRICK

KEEPS AWAY MOTH.
LASTING & FRAGRANT.

PERFUME BRICK

FOR LINEN CUPBOARD AND WARDROBE.
Retail Price, **6d.**

Of the Makers:
ALBERT WILLIS & ARTHUR, Ltd.
8 Mortimer St., London, W.
AND ALL WHOLESALERS.

MOUSLEY'S
'BEAVERPUFF'
Patent Nos. 4931 and 4932.
The Ladies' Natty Friend.

Just out. Demand great.
Delightfully soft in use.
Superior to artificial Puffs.
Write for Prices and Terms

F. A. MOUSLEY
(MAKER)
Priest Bridge, Mortlake,
London, S.W. 14.

IF YOU WOULD ONLY
LET US SEND YOU

6 doz. large and 6 doz. small "Christy's Cold Cream" to try, you would soon find the reason why discriminating chemists won't have any other. The personal test is after all the one worth while. There is no better packed line, or one that sells so easily.

CHRISTY'S
COLD CREAM

in the "two-green" carton, 6 in a show box set up in the same colour scheme. Heavily advertised, and giving a magnificent profit.

No. 7 Tube 4×½, per doz. 5/- P.A.T.A., 8½d.
No. 9 Tube 4×1, per doz. 7/- P.A.T.A. 1/-.

JUST WRITE ON A P/C
attach a sticker—or a memo
will do—the few letters thus:
"C.C.C., 6S., 6L., C. & D."
and we'll send 6 doz. small and
6 doz. large "Cold Cream" at
once, to your address
CARRIAGE PAID

THOS. CHRISTY & CO.
4/12 Old Swan Lane, LONDON, E.C. 4

The Tooth Paste of Distinction.

Anglodol

Dental Paste

Retail Price: 7½d. & 1/3.

Pleasant,
Antiseptic,
Cleansing,
Refreshing.

A first-class article, attractively packed.

A profit builder which will bring repeat orders every time.

Full-size sample tube sent to any chemist for his personal trial on receipt of a post card.

ANGLODOL, LIMITED,

Odol Chemical Works

BERKHAMSTED

Cables & Telegrams: "Anglodol Berkhamsted." Telephone: Berkhamsted 138.

Let Icilma Pay your Rent

This way—£100 of Icilma *on display terms* means anything up to £90 profit (see illustration). A progressive single shop can largely exceed this turnover every year—that is how Icilma can *pay your rent*—or a *good* part of it.

You know why—Icilma Preparations are the *best known, most largely advertised and the quickest sellers.* The public believe in them—they pay the trade well—and save the chemists' time.

Don't stock dust collectors—but concentrate on quick-selling, profit-bringing Icilma.

Specimen **£6 order** showing **Profit of** £4 9 6=92%

	Outlay. s.	d.	Income. s.	d.
4 dozen 1/- Cream @ 10/- - -	40	0	48	0
30 „ Shampoo Sachets - -	52	6	90	0
16 „ Hair Powder - - -	28	6	48	0
	121	0	186	0
Less 10% -	12	1		
	108	11		
Display Allowance - - - - -	10	0		
	98	11		
Cash with order 2½% - - -	2	5		
	96	6	186	0

Icilma

Toilet Preparations

Price List and display terms post free on request.

Supplies now Normal
Pre-War Quality Guaranteed

Manufacturers—Icilma Company, Limited,
Sole Distributors—International Icilma Trading Co., Ltd., } 37, 39, 41, 43, King's Road, ST. PANCRAS, London, N.W.1

T 7—18/10/19

Enolin

TOOTH PASTE

"STRONG" OR "MILD"

The Super Paste

If your wholesaler has not sent you sufficient advertising matter for window display, drop us a postcard and we will send you a good assortment, post free.

SOLE MANUFACTURERS & PROPRIETORS:
A. & E. CARRERAS, *Perfumers*,
Offices : 207 King St., Hammersmith, London, W.6.

Telephone :
HAMMERSMITH 600
Telegrams :
"ESOLINDOL, HAMMER, LONDON."

Our lines are Genuine.
Largo buyers of
Pomade Hongroise
Styptic Pencils
Nail Polish
Cloth Cleaners
Antiseptic Shaving Blocks
Razor Paste etc
Should write to :-
Delphinus Mfg. Co.,
45 Edward St.,
Brighton,
Sussex.
Telegrams "Hongroise, Brighton" England.
Export to all Countries.
Best attention to all orders received.
Sell the article that pays for itself.

50% ON COST
33⅓% ON SALES
guaranteed by selling the
'Pryma' Nail Clipper

The finest Nail Clipper on the market. British manufacture throughout, of finest quality steel. Heavily nickel-plated and perfect finish. Delivery from stock, fastened 12 or 24 on card. Sells at sight, and gives satisfaction to Chemist and customer alike.

16/- doz. Fixed price 2/- each.

Write to-day for Sample Card to
WARMINGTON, TURNER & CO.
11 QUEEN VICTORIA ST., LONDON, E.C. 4.
Telegrams: "Ocwarnitur, Cannon, London." Phone: Central 7851.

Stocks held in Ireland by
MAY & CO., Victoria Buildings, Victoria St., BELFAST.

Let us know your Wants, we can supply.

Theo. Van der Heyden,
118 - 122, Holborn,
E.C.1.

Holborn 1873

FACE CREAM. TOOTH POWDER. NAIL POLISH
„ POWDER. „ PASTE. HAIR CREAM
BRILLIANTINE, Solid and Liquid. PERFUMES
VIOLET POWDER. TALCUM. TOILET OATMEAL
SHAMPOO POWDER & LIQUID. MASSAGE CREAM

Your own formula prepared, or we can supply ingredients if desired.
Send for samples and quotations.

A. CONNELL & CO., 3 Jewry Street, LONDON, E.C. 3
PHONE—AVENUE 1945.

DENTISTRY
Write for my PRICE LIST for MECHANICAL WORK,
at pre-war charges, and save Money.
Prompt Dispatch Guaranteed. Personal Attention to all Cases.
W. C. BROWNING, 298 Holderness Road, Hull.
26 YEARS' EXPERIENCE.

A PROFITABLE PROPOSITION.
"FLUZO" POWDERS
(Trade Mark, Registered).
For Headache, Toothache, Neuralgia, and Rheumatism.
Sold at **1/3** per box of 12 powders, or loose at **2d.** each; two for **3½d.**
Advertising matter with all orders. Bonus for Window Shows.
Send for Price List and particulars.
A. S. PRICE & CO., LTD., Blackheath, Birmingham.

BESORBON (Dr. Hill's Formula).
MEDICINAL SNUFF. ABSOLUTELY THE FINEST REMEDY FOR CATARRH AND COLD IN THE HEAD.
RICHARD DICKESON & COMPANY (Incorporated with REYNOLDS SONS & CO., LIMITED) 57/59 CHARTERHOUSE STREET, LONDON, E.C.1

The

HENNA CULT

of Hair Beauty, based on the famous

EVAN-WILLIAMS

ORIGINAL

HENNA SHAMPOO

daily extends its boundaries, and is now a subject for popular journalism.

It pays to sell this famous line.

You will find full details of the profits realised in the October issue of "THE SHAMPOO SALESMAN," a copy of which is gladly sent on request.

Be sure to order

THE EVAN WILLIAMS ORIGINAL Henna Shampoo

Wholesale only:
THE EVAN-WILLIAMS CO., LTD.
18 Ogle Street - LONDON, W. 1.

These Showcards Yours for the asking

We shall be pleased to send you the above if you will write to us on your business notepaper stating the number you require of each. Also please quote Showcard number.

ANZORA CREAM for slightly greasy scalps and ANZORA VIOLA for dry scalps.

TRADE TERMS ON REQUEST.

ANZORA

MASTERS THE HAIR

Anzora Perfumery Co., Willesden Lane, London, N.W.6

"Jackel's Cream"

(without Grease)
for THE HAIR

Sold everywhere

Established 1883.

CRYSTALLISED
1/6 CREAM 2/6
Trade Mark attached to each bottle.

"Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headware. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

Prices for Wholesale and Export Houses on application.

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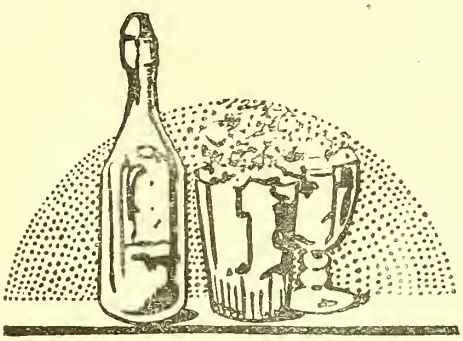

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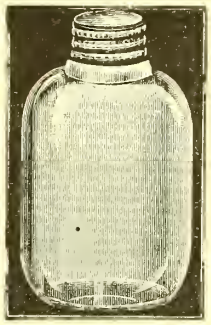

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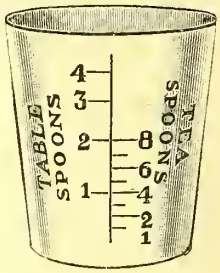

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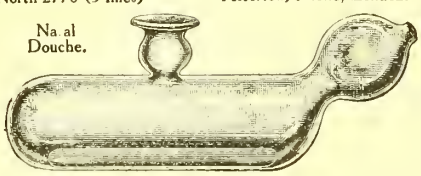

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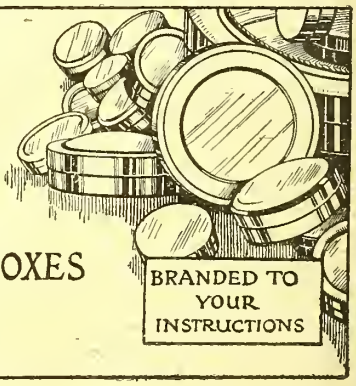

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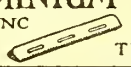

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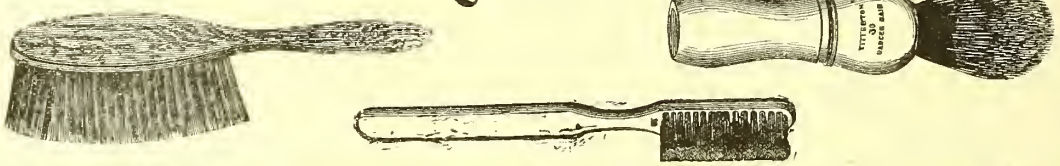

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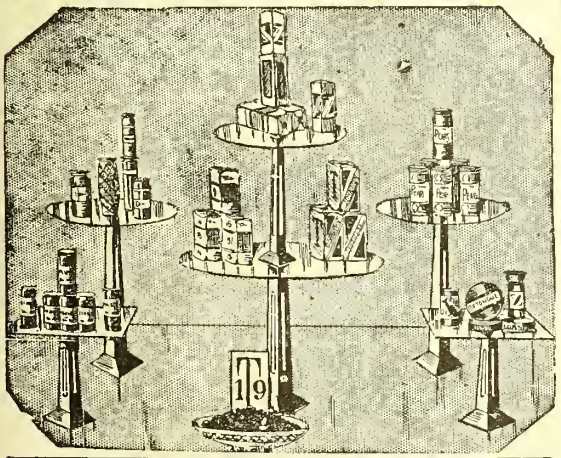

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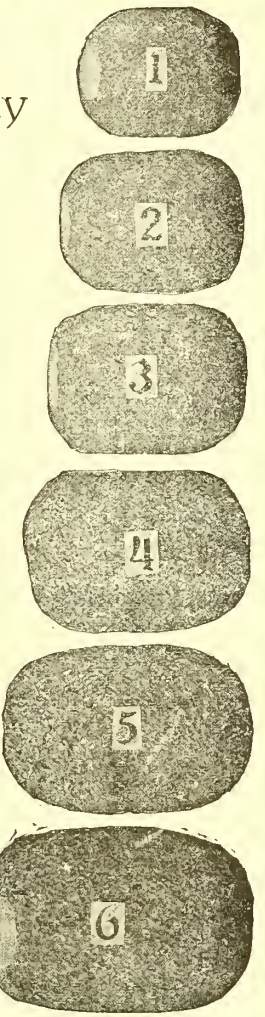

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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
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Known, Admitted, and Approved Remedies.

FOLLOWING the practice which we started some years ago we propose to reserve space in the forthcoming issue of *The Chemist and Druggist Diary*, 1920, for the registration of formulas for "known, admitted, and approved remedies." Under the Medicine-Stamp Act, 1812, such medicines, when sold by chemists, are exempt from medicine-stamp duty so long as the formulas are contained in recognised works of reference. A clear indication must also be given on the label of the medicine to the published formula as evidence that the medicine is of the kind to which the exemption refers. *The Chemist and Druggist Diary* was the first book of reference recognised by the Board of Customs and Excise, after the "British Pharmacopœia," and the *Diary*, being published periodically, affords an opportunity for chemists to add any fresh formulas for medicines coming within the definition of "known, admitted, and approved remedies." Chemists who desire to take advantage of this arrangement should forward true copies of the formulas with the titles and directions for use so that we can include these in the *Diary*. We shall attach the correct reference numbers to the formulas when they are published. The formulas, which must be written on one side of the paper only, should be sent as promptly as possible before October 20 addressed to the Editor, *C. & D.*, 42 Cannon Street, London, E.C. 4.

The Profiteering Act.

GUARDIANS AND THEIR DRUGS.

AT a recent meeting of the Lambeth Board of Guardians Mr. H. West drew attention to the prices of drugs, which, he said, were, in some cases, four or five times more than before the war. He was told that with regard to one item they were paying 28*l*. for what they got before for 10*l*. He thought there was profiteering in drugs. The Chairman said that if they could get a specific case of profiteering it would be sent to the local Profiteering Committee for investigation, but they must be sure it was a case of profiteering before they took action.

COMPLAINTS.

ACTON.—The Committee, at its sitting on October 14, decided to investigate a complaint of having been charged 10*s*. for the 9*s*. size of Bynogen at a branch of Boots, Ltd.

DEPTFORD.—On October 15, the Committee ordered a shopkeeper who had charged 10*d*. for a 4-oz. tin of mustard to return 1½*d*. to his customer, the complainant. Upon hearing the decision the tradesman asked if any member of a co-operative society were sitting on the Sub-Committee; and on being told that there were two, he said he protested against partners in a competing business concern adjudicating upon his case. The chairman ordered the protest to be noted. In another case the Sub-Committee ordered a respondent to repay a customer 2½*d*., the difference between the price paid for a package of custard powder (1*s*. 3*d*.), and the price which the Sub-Committee thought fair (1*s*. 0½*d*.). There was also a recommendation that a prosecution be instituted. This respondent also gave notice of appeal on the ground of members of a co-operative society being on the Sub-Committee. [The regulations provide that: "A member of a Committee established by a local authority shall be disqualified from acting in any case where he is a trade competitor of the person against whom the complaint under investigation has been lodged."]

EAST HAM.—At its meeting on October 15, the Committee decided to approach the Board of Trade with a view to ascertaining the position of wholesalers who fix selling prices.

EDINBURGH.—Among the complaints mentioned at the first public sitting of the Committee on October 13, one related to glycerin pastilles, but had not been reached, apparently, when the Committee adjourned. Shampoo-powder figured in another complaint, a lady writing to say that she had paid 3*d*. for a packet of the powder which during the war was to be had for 2*d*. Though the complainant sent on a receipt, the Committee had some discussion as to whether they should proceed with the complaint in the absence of the complainant. It was agreed that if the Committee considered that a written complaint disclosed a *prima-facie* case they would subsequently summon the complainant to appear.

GLASGOW.—At a meeting of the Committee on October 14, complaints regarding the price of books and chemists' prescriptions were dismissed on the ground that these articles did not come within the purview of the Committee.

HAMPSTEAD.—No charge was sustained at the meeting of the Sub-Committee on October 15. Vendors were closely questioned as to the wholesale prices at which they bought, and the chairman stated that, should it be proved that there was profiteering on the part of the wholesalers, the Board of Trade would be informed.

HASTINGS.—On October 13, the Committee concluded the hearing of a charge against Boots, Ltd., in respect of the price charged for Savory & Moore's infant-food (*C. & D.*, October 11, p. 45). Mr. C. H. Kirby, who appeared for Messrs. Boots, said the invoices had been looked up, and these he handed to the Town Clerk, at the same time informing the Committee what they contained. Complainant's statement was that he had one tin about once in every six weeks during the last four months. He had, therefore, apparently bought five tins, so that there were six supplied to the shop and

used for other customers. The Mayor to complainant: You have heard Mr. Kirby say the number of tins you purchased was five. Complainant said he thought that was correct, five large and two small. After a brief retirement the Mayor announced that the case would be dismissed. The Committee, however, felt that complainant had been justified in bringing it forward, and they further felt that when prices were altered it would be well for all traders to alter the prices marked on the articles in which they were dealing at once.

Islington.—The case of a bar of soap was mentioned to the Committee at its sitting on October 14, the vendors being reported as saying that the purchaser was fortunate in getting the article for 10*d*., as the selling price was 11*d*. It was stated that the pre-war price was 4½*d*. It was agreed that the complainant should be informed there was no *prima-facie* case, but it was open to her to give further information.

Marylebone.—The Committee has received a complaint of a pair of rimless spectacles being priced at 2*l*. 2*s*.

New Malden.—One of the complaints investigated by the Committee at its meeting on October 15 related to an 8-oz. bar of a proprietary soap, for which, it was alleged, 8½*d*. had been charged. As cases regarding this and other charges had already been sent to the Central Tribunal, it was decided to allow the matter to stand over until the Central Tribunal dealt with the cases.

St. Pancras.—On October 14 the Committee, having heard a complaint against A. Malsbury, 171 Fortess Road, N.W., of selling a bottle of Bovril at 1*s*. 2½*d*. (1½*d*. in excess of the standard price), ordered him to refund 1½*d*., but decided not to recommend a prosecution.

Surbiton.—The hearing of a case against a chemist was resumed by the Committee on October 9. Mr. C. V. Harris wrote that he went to a chemist's shop and asked for a 6½*d*. cake of a certain toilet soap. He was told the price was now 7*d*., and he paid 7*d*. Mr. Harris added: "I would venture to remark that in making my complaint I did not imagine that the retailer was making excessive profit and should be fined, but simply in the hope that the matter might be referred to the Committee who, I understand, is to inquire into the manufacturers' prices." Mrs. Ferguson said the price of the soap referred to used to be 3½*d*. a tablet, and 7*d*. was now charged for it everywhere. The chairman thought it would be in the interests of both the complainant and the retailer if the Tribunal proceeded with the case, and it was agreed to summon the parties before the Tribunal at the next meeting.

Westminster.—A complaint of an alleged charge of 7*s*. 6*d*. for a 16-oz. bottle of Bovril is to be investigated by the Committee.

Prosecution.

At Bow Street Police Court, London, on October 14, J. Boston, oilman, 192 Shaftesbury Avenue, W.C., was summoned by the Committee appointed by the Holborn Borough Council for having unlawfully sought to charge 3*s*. 6*d*. a pound for Scotch glue. Evidence of purchase was given, and it was stated that since the armistice the wholesale price had been about 1*s*. a pound. The solicitor for the defence pleaded "Guilty," but adduced circumstances in extenuation. A fine of 25*l*., with 5*l*. 5*s*. costs, was imposed.

Mustard Gas.—It may be of interest . . . to point out that "mustard gas" was discovered by a British chemist, that the best method for its preparation was discovered by British chemists, and very rapidly put into large-scale production by a British firm. Further, that the best technical method for the preparation of the necessary ethylene has proved to be that described by a British chemist, Newth, which consists in acting upon alcohol vapour with heated phosphoric acid. The only distinction which our country allows to pass to Germany in this matter is that of having treacherously introduced one of the most appallingly toxic substances known as a weapon of civilised warfare.—*Sir William Pope.*

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Drug Union Arbitration.

The Court of Arbitration to which the Ministry of Labour referred the question of the wages claim for drug-workers of the Amalgamated Society of Pharmacists, Drug and Chemical Workers (*C. & D.*, September 6, p. 42) sat on October 13 at 5 Old Palace Yard, Westminster, S.W. Sir William Glyn-Jones appeared for the Drug and Fine Chemical Manufacturers' Association, and Mr. Herbert Skinner, Ph.C., for the Drug Union. The decision of the Court has been reserved.

Chemical Industry Club.

The first annual report of the Committee of the Chemical Industry Club, 2 Whitehall Court, London, S.W.1, has been issued, in which it is stated that the membership has reached 614. There is a reserve fund of 2,300*l*., but it has not been necessary to call upon the guarantors as a result of the first year's expenses. The premises are capable of accommodating 1,000 members, but when that number is reached the Committee state that the need of such a club will have been established, and a move will be made to provide larger premises. The annual meeting is to be held on October 20 in the smoking-room of the club.

Contracts.

The following tenders have been accepted by the bodies named:

Birkenhead Guardians.—Evans Sons Lescher & Webb, Ltd., drugs and sundries.

Ludlow Guardians.—G. Woodhouse & Son, chemists, drugs, etc.

St. Pancras Guardians.—Thomas Hodgkinson, Prestons & King, drugs; J. G. Ingram & Sons, Ltd., water-beds; S. Maw, Son & Sons, Ltd., surgical instruments and sundries; Sangers, dressings and proprietaries.

Winchester Guardians.—F. B. Wride & Co., chemists, Southampton, sundries.

Philip's Standard Retail Price List.

The alterations for October in the "Standard" Retail Price List, brought out by Mr. Charles Philip, pharmacist, 23 High Street, Herne Bay, include the following: *Drugs.*—Argent. nitras indurat. 7*s*. oz., argent. nitras cryst. 6*s*. 10½*d*., bromoform 16*s*. 4*d*. oz., carui fruct. 3*d*. oz. (2*s*. 10½*d*. 16 oz.), creosoti carb. 7*s*. 5½*d*. oz., ext. malti 10*d*. 8 oz. (1*s*. 7*d*. 16 oz.), ext. malti c. ol. morrh. 1*s*. 1*d*. 8 oz. (2*s*. 16 oz.), formaldehyd. liq. 3½*d*. oz. (1*s*. 4 oz.), lin. camph. 7*d*. oz. (2*s*. 4*d*. 4 oz.), lin. saponis 10*d*. oz., hydroquinone 1*s*. 6*d*. oz., insect powder 3½*d*. oz., ol. cajuput. 1*s*. 1½*d*. oz., ol. olivæ sublime 4*d*. oz. (1*s*. 1*d*. 4 oz.), sod. et pot. tart. pulv. 3½*d*. oz. (11½*d*. 4 oz.), ung. gallæ 6*d*. oz. *Compressed tablets.*—Quinine, 2 gr., per bottle of 100 3*s*. 1½*d*., 3 gr. 4*s*. 3½*d*., 5 gr. 7*s*. 2*d*. *Sundries.*—Cotton wool, white, No. 1, 1 oz. 4½*d*., 4 oz. 1*s*. 2½*d*.; unbleached, No. 1, 1 oz. 2½*d*., 4 oz. 8½*d*. In quoting the price of quinine sulphate from Mr. Philip's list last week (p. 58) we accidentally copied the wrong figure for the lower quantities; it should be 5 grs. 1½*d*. An interesting fact has transpired that in some districts where chemists have adopted the list the attention of the local Profiteering Committee has been called to it, and to the scientific principles upon which the rate of profit is computed.

Welsh College of Pharmacy.

The new Welsh College of Pharmacy at Cardiff was opened on October 8 by the Lord Mayor of Cardiff. The inaugural address was delivered by Sir William Glyn-Jones, secretary and registrar of the Pharmaceutical Society of Great Britain, who reminded the audience that he was a Welsh pharmacist apprenticed at Aberdare. He was proud, he said, to know that Cardiff would have its share of the 900 scholarships allocated by the Government. The traditions of the new college rested with what

the first students could give it, and next July, as registrar, he would look to see what they had given the new Welsh College of Pharmacy. On the proposition of Mr. Benson Harries (President of the South Wales and Monmouthshire Federation of Pharmacists), seconded by Mr. Leo Joseph, J.P., a vote of thanks was passed to the Lord Mayor and Sir William Glyn-Jones. The first scholarship of 40*l.* has been won by Mr. J. R. Davies, Pen-y-Graig, late assistant with Mr. H. F. Bourne, pharmacist, The Strand, Torquay.

Fertilisers and Feeding Stuffs Act, 1906.

The West Riding County Council is suggesting to the Board of Agriculture that the following Amendments to the Fertilisers and Feeding Stuffs Act should be adopted: (1) The invoice should state the percentage of carbohydrates; (2) where a sample is taken by an official sampler the ten days' limit should be extended to twenty-one days; (3) the time within which prosecutions may be instituted should be extended from three to six months; (4) the question of standards under the Fertilisers and Feeding Stuffs Act should be dealt with by an expert board of reference; (5) a definite time should be prescribed for the delivery of the invoice; (6) sampling officers should have power to spend money in the purchase of samples, whether formal or informal; (7) official samplers should be empowered to take a sample of any fertiliser or feeding stuff exposed for sale, or delivered to a purchaser, and pay for the same, thus adopting a similar course to that in practice under the Food and Drugs Acts; (8) sellers of feeding stuffs, with few exceptions, have on their invoices a clause to the following effect: "We hereby declare that all feeding stuffs upon this invoice, not therein specially described as pure, are prepared from more than one substance or seed." This practice would appear to evade the provisions of the Act, and should not be permitted; (9) the law should be strengthened with regard to limited companies, and, as in the case of the Poisons and Pharmacy Act, 1908, some individual should be responsible for invoices given under the Fertilisers Act, 1906.

Birmingham.

Mr. Barrow Cadbury has successfully come through a serious surgical operation, and is making satisfactory progress.

The "Birmingham Post" states that 1,000*l.* worth of virus has been purchased by this city for use in the rat campaign.

The horrible effects that virus has upon rats and other rodents, as set forth in the advertisements, are having a tendency to deter the purchasing public.

The attendance of students at the chemistry classes at the University is so large that the authorities have pressed into the service both Wednesday and Saturday afternoons.

The City Council has purchased for its war memorial and city hall a piece of land, which will include the premises used by Southall Bros. & Barclay, Ltd., as their chemical- and physical-apparatus department.

It is expected that the aldermancy which will become vacant with the retirement from the Birmingham City Council of Alderman Neville Chamberlain, M.P., will be conferred upon Mr. W. A. Cadbury, the Lord Mayor-elect.

Messrs. Edward and George Cadbury, junior, have presented to the City of Birmingham the Wenham estate, thus making the city's miniature Switzerland its own possession. The area is 129 acres, and the value is estimated at 20,000*l.*

The quality of Birmingham's gas (and it is said that it is regulated by Government authority) has of late been considerably lowered by, apparently, the admission of atmospheric air or nitrogen, for its luminosity is about that of a bunsen burner.

Sir Rickman Godlee, who gave the inaugural sessional address at the Pharmaceutical Society's School of Pharmacy in 1915, interested a Birmingham audience on October 9 by discoursing on "Our Attitude Towards Modern Miracles." Sir Rickman is the new President of the Birmingham and Midland Institute.

Among the complaints to be investigated by the Birmingham Profiteering Committee is one, says a local paper, in which a member of the public "complains of being charged 3*d.* each for two bottles in which medicine was supplied by a chemist. On the two bottles being returned, the seller declined to return the 6*d.*, remarking that the charge was for the hire of the bottles."

The authorities of the Suffolk Street Technical School have decided to provide one extra evening for elementary chemistry students, and have fixed Friday for the purpose. This time, however, clashes with the botany class. The Wednesday afternoon pharmacy class (which numbers forty-five) is in charge of Miss Russell, daughter of the veteran lecturer and demonstrator at the School. It is rumoured that the greatest need of the class is pill machines! Perhaps they can be hired.

Leicester.

Mr. E. A. A. Fry, chemist and druggist, manager of the Belvoir Street shop of Boots, Ltd., has been invited to contest the Aylestone ward for a seat on Leicester municipal council. Mr. Fry is a member of the Board of Guardians.

The prevalence of colds and sore throats has been the cause of quite a boom in throat-lozenges of all kinds in the Leicester district. Some chemists report that they have never, in a similar space of time, sold so many popular remedies for colds as during the last two or three weeks, when, curiously enough, the weather has been dry and bright.

Liverpool.

Branded preparations are in growing request.

The sudden touch of winter has brought a demand for complexion-creams.

A reappearance of influenza (which has run rapidly through families) has revived the demand for various preventives.

The Association football club re-formed by employés of Ayrton, Saunders & Co., Ltd., has played three matches this season, and has joined the City League.

The arrears of supplies imported *via* New York do not seem likely to be soon overtaken, and American visitors respond readily when offered substitutes.

Ayrton, Saunders & Co., Ltd., have carried mails on their twelve motor delivery-vans during the railways' "off" week, the routes extending south to Birmingham, north to Newcastle-on-Tyne, and east to Sheffield.

At Liverpool Police Court, on October 14, a Chinaman was fined 100*l.*, with the alternative of three months' imprisonment, for being in unlawful possession of 12 lb. of opium. His explanation was that he bought the opium from a Japanese in London to be used for medicinal purposes.

The City Council elections, which take place on November 1, are expected to result in the return of the two members of the drug-trade to the Chamber—Mr. Edwin Thompson and Mr. Robert C. Herman. The importance of the trade would warrant further nominations.

On October 24 Mr. Henry Peet, chemist and druggist, called the attention of his fellow Justices of the Peace to the rapidly growing evil of the consumption of methylated spirit by women. Police reports go to show that women obtain the spirit largely from shops which sell paints and furniture-polishes.

After the strike, "Pussyfoot." It seems hard on Liverpool. The devising of additional temperance beverages, however, is becoming a scientific and commercial problem of engrossing interest. The lecturers say that American chemists will persist until they succeed in discovering an ideal teetotal drink.

Evans Sons Lescher & Webb, Ltd., rendered signal service in accelerating the mails during the railway dead

lock. The directors, in organising their motor-service for collecting supplies and delivering goods to their customers, got into touch with the Post Office, with the result that their twenty-four vans not only took out mails from Liverpool, but on each route carried mails from town to town.

Writing to the "Liverpool Courier" concerning a Venereal Disease Act case in which the defendant had been described as a "Bootle chemist" (see p. 50), Mr. D. H. Evans, President of the Liverpool Chemists' Association, neatly corrects the description as follows: "I would like to point out that the Register of Chemists and Druggists does not contain the name of Mr. Miller Murray, consequently he is wrongly described as a chemist. I would thank you to give the same publicity to this correction as you gave to the original report of the case."

The following members of the Liverpool Chemists' Association have been appointed officers of the Committee entrusted with the arrangement of the social functions of the British Pharmaceutical Conference, to be held in Liverpool in July 1920: *Chairman*, Mr. W. P. Evans; *Vice-Chairmen*, Mr. D. H. Evans and Dr. C. Symes; *Treasurer*, Mr. C. Huxtable; *Secretary*, Mr. H. Humphreys Jones; *Assistant Secretary*, Mr. W. J. Williams. The following have been elected members of the Committee: Messrs. J. L. Hirst, A. J. Ferriday, L. Moreton Parry, J. G. Wallbridge, A. W. Ashcroft, H. Wyatt, M. S. Hughes, John Jones, E. B. Brigham, W. Wellings, W. H. Clubb, A. S. Furniss, R. H. West (Southport), J. Bain, A. C. Abraham, T. F. Abraham, E. Prebble, P. H. Marsden, F. C. Cooling (Oxton), C. A. Maries, A. J. D. Manson, D. Tallantyre, G. H. Burroughs, E. Thompson, R. G. Govier (Wallasey), and O. Marsh (Wallasey).

Nottingham.

The following gentlemen have resigned their positions with Boots Pure Drug Co., Ltd.: Mr. F. H. Carr, F.I.C., F.C.S., director and chief works chemist; Mr. M. Barrowcliff, F.I.C., F.C.S., chief research chemist; Mr. J. R. Bedford, chief of sales department; Dr. Mott, F.R.S.; and Dr. Naef, F.C.S.

Alderman Ball has acquired a sudden fame by lending a motor-car for a demonstration with a "water substitute for petrol," the inventor of which, described as a South American chemist, states that he has brought his invention to England because petrol is so much dearer here than in America. The inventor spent about ten minutes in private preparation, then poured the compound into water, and exhibited the bucket containing it. It smelt like methylated spirit.

Sheffield.

Mr. Hedley Beeley, pharmacist, Attercliffe Common, intends to devote his time to dental work.

Local Panel practitioners are unwilling to have any curtailment of the hours for Insurance dispensing.

Wages in the paint and varnish trade (which affects many local chemists) have been submitted to arbitration. The Court has awarded an allowance of 4*s.* a week in place of the 10*s.* asked for.

Mr. H. Antcliffe, chemist and druggist, Union Dispensary, West Bar, was returned at the head of the poll for the Executive Committee at the annual meeting of the National Poor-law Officers' Association, held recently in Newcastle-on-Tyne.

The chemistry and pharmacy classes conducted by Mr. E. Preston, Ph.C., at the Education Committee's secondary school are crowded out. The University classes in pharmacy have not yet been established, one of the main reasons being shortage of space.

Chemists will hear with regret of the resignation of Professor Arnold from the chair of metallurgy at Sheffield University. Professor Arnold is an honorary member of the Sheffield Pharmaceutical and Chemical Society, and at one time was a regular contributor to the sessional programme. He is going south to recuperate.

Miscellaneous.

Parliament meets on October 22, when the report stage of the Aliens (Restriction) Bill will be taken.

Lighting Regulation.—The Emergency Order regarding shop-lighting (*C. & D.*, October 4, p. 67) has been revoked.

Formal Abolition of the Black Lists.—The Board of Trade intimates that the black lists have now, according to a decision of the Supreme Economic Council, been definitely abolished.

Fire.—On October 10 damage was caused by an outbreak of fire at Timothy White Co.'s pharmacy, Somers Road, Southsea. An employé was burnt about the head and hands, and was removed to hospital for treatment.

Confectionery Research.—A British Association of Research for the Cocoa, Chocolate, Sugar, Confectionery, and Jam Trades has been formed, in accordance with the Government scheme for the encouragement of industrial research. The secretary is Mr. R. M. Leonard, the Manufacturing Confectioners' Alliance, Ltd., 9 Queen Street Place, London, E.C. 4.

Rat Poison.—Correspondence has taken place in the "Times" regarding the use of barium carbonate as a rat poison (*C. & D.*, October 11, p. 47). It is stated that although a dose of 1½ gr. or 2 grs. of barium carbonate is fatal to a rat, cats and chickens can take 10 to 15 grs., and dogs over 100 grs., without injury. Another correspondent states that some of his fowls were poisoned by the barium. The second reading of the Rats and Mice (Destruction) Bill is to be taken in the House of Commons on October 23.

Protection of Retailers Urged.—The West Yorkshire Federated Chambers of Trade have decided to ask the National Chamber to endeavour to secure such amendments to the Early Closing Bill as are necessary to make its meaning definite and practicable, and also to urge on the Government the simultaneous passing into law of this Bill and the Hours of Employment Bill, so that multiple firms cannot take advantage of small traders by employing assistants in shifts and thus keep open later than ordinary traders. The Chambers have also drafted a resolution promising support to any traders who may be maliciously attacked under the Profiteering Act.

In the Courts.—At Northampton, on October 8, W. H. Llewellyn, a clerk, was committed for trial on a charge of stealing three blank cheques from Mr. Evan Charles Ashford, chemist and druggist, 52 Gold Street, for uttering a cheque for 15*l.*, and for attempting to obtain money by false pretences. Mr. Ashford stated in evidence that the cheques were missed from his book after a visit to the shop by the defendant, who was left alone in a room at the back of the shop while other customers were being attended to.—At Lambeth Police Court, London, on October 13, C. Cucksey, night watchman, was sentenced to six weeks' imprisonment in the second division for stealing oats, value 1*s.*, the property of his employers, R. White & Sons, Ltd., mineral-water manufacturers, Camberwell, S.E., with whom he been for twenty-five years.

Cotton-seed and Ground-nut Oils.—In order to relieve the situation created by the heavy commitments of crushers in Bombay cotton-seed, the Food Controller has decided to support applications for licences for the export of crude Bombay seed-oil and technical refined cotton-seed oil up to 10,000 tons. Application for the necessary export licences should be made in the usual way to the Export Licence Department, formerly War Trade Department (1 Queen Anne's Gate Buildings, S.W. 1), who will refer them to the Ministry of Food for observations. The Food Controller has further decided to remove cotton-seed oil from the Schedule of the Oils and Fats Restriction Order, 1919, and permit purchases of such oil for soap-making and other purposes. The use of ground-nut oil for margarine-making is now rescinded, and the oil is now available for all edible purposes.

Poisonings.—At the inquest on the body of a Ramsgate fisherman who died from drinking a disinfectant in mistake for beer (*C. & D.*, October 11, p. 47), it was stated that when cases of infection were notified to the Corporation the sanitary committee supplied householders free of charge with undiluted disinfectant, but did not provide the bottles. Any kind of bottle was accepted. The Coroner, in returning a verdict of "Accidental death," said the practice was attended by risk. The Town Clerk said that immediately after the fatality instructions were given for all bottles to be marked "Poison."—At Weybridge, a young woman named Thorne committed suicide by taking 17 grains of mercuric chloride while of unsound mind.—At Oldham, Dr. Peter Martin Kyle committed suicide by taking hydrocyanic acid while depressed.—At Mitcham, Mrs. Dallwood committed suicide by taking spirit of salt.

Telephone Robbery.—Under this title the "Times" inserts a letter from Mr. Harold E. Matthews, Ph.C., Clifton, in which he writes: "Profiteering is too mild a word to apply to the present practice of H.M. Postmaster-General with reference to the transfer of the tenancy of telephones. I am taking over an existing telephone from an outgoing tenant, and have been made to pay 4*l.* premium to the Department, for which no work is done and I receive no service whatsoever. It is the exact parallel of paying money for the key of a house. The tenant from whom I am taking over is himself being robbed of 4*l.* in a precisely similar manner for the transfer to him of the telephone at the house he is moving to. I understand also that the tenant he is succeeding is also a victim to the rapacity and unscrupulous extortion of this Government Department. Whoever is responsible for such unwarrantable exaction should be sharply brought to book and treated at least as severely as the trader who receives a savage sentence of imprisonment for a trifling overcharge on a domestic commodity. I paid my 4*l.* under protest, and hope that when Parliament reassembles it will be possible for this grievance to be ventilated in the House of Commons and the Telephone Department made to refund the plunder."

City of London Medical Officer's Report.—The summary of the report of the City of London Medical Officer of Health for the year 1918 states, *inter alia*, that 12 out of 141 informal samples taken were reported against—eight of magnesia, three of calomel ointment, and one of Epsom salts. Two out of four formal samples of almond oil were found to be adulterated. The work in connection with the treatment of venereal diseases increased, the new patients during the year numbering 528. The number of doses of "salvarsan or its substitutes" administered at the out-patients' clinic was 1,368; in the in-patient department 38. The number of bacteriological examinations made was 431. The Medical Officer concludes this section of the report as follows: "I know of no power which will enable persons suffering from venereal disease, engaged in the preparation of food, to be restrained from continuing their work. I think this point should be brought to the notice of the Local Government Board, with a recommendation that it should be made illegal for persons suffering from venereal disease to continue in certain specified occupations." Among the miscellaneous duties carried out by the Medical Officer's staff is that of the disinfection of clothing and other articles; under this heading an item of 170,670 articles disinfected for City firms exporting to South Africa is of interest.

It is reported that an old-established firm of chemists in Patrick Street, Cork, has been taken over by another well-known local firm.

An "After-the-War" Story.—In the early days of the Office Pharmaceutique it appears that the French Government, in founding this useful institution, entirely overlooked the necessity of voting the sum required for current expenses! Luckily M. Astier, the late eminent Senator, stepped into the breach, and provided the funds until the authorities put matters on a proper footing.

Scottish News.

Brevities.

Mr. Halbert McGowan, chemist and druggist, has opened a pharmacy at Church Street, Fauldhouse.

Professor Frank Charteris was installed in the chair of materia medica at St. Andrew's University on October 11.

Mr. William B. Pullar, formerly a director of Robert Pullar & Sons, Ltd., Bridge of Allan, has died at the age of seventy-six.

Mr. John L. Doig (William Doig & Sons, chemists, High Street, Dundee) has returned to business after an enforced absence of four months. [Corrected note.]

Mr. G. G. Mackenzie, chemist and druggist, Alness, has disposed of his business, which he has carried on for over forty years, to Mr. W. Abernethy, chemist and druggist, who has been released from the Army after five years' service.

Provost Macintyre, chemist and druggist, North Berwick, has intimated his intention of retiring from office. At a recent meeting of the North Berwick Town Council, Provost Macintyre proposed that some tangible recognition be accorded to those among the local railwaymen who had remained at their posts during the recent strike, adding that now was the time when they must put their foot down and say that the reconstruction of the country was not to be hampered.

The officers of the new-formed Scottish Chemists' Bowling Association, referred to in our issue of October 4 (p. 69) are: *President*, Mr. J. W. Bennie; *Vice-President*, Mr. G. S. Kitchin; *Secretary*, Mr. J. A. Cochrane, 279 Easter Road, Leith. A Committee of eleven has been appointed in addition. The next competition is to take place at Glasgow in June 1920. Chemists in England who are players are invited to communicate with Mr. Cochrane, with a view to extending the sphere of the Scottish Association's activities.

Aberdeen.

The Northern Co-operative Society, Ltd., announces a turnover of 17,725*l.*, with a net profit of 2,842*l.* for the twelve months ended August 31.

The death is announced of Sir David Stewart, who has passed away at Aberdeen, aged eighty-four. Sir David was a director of the Aberdeen Comb Works, Ltd., of which his father was the founder. He was knighted in 1896.

While passing through Regina, Saskatchewan, recently, the Prince of Wales presented to the widow of the late Captain R. G. Combe the Victoria Cross, in the winning of which the gallant captain laid down his life on May 3, 1917. Captain Combe served his apprenticeship as a chemist in Aberdeen. Some twelve years ago he went to Canada and started business on his own account at Melville. He had been on active service since 1915.

Edinburgh.

Mr. Thomas Girdwood, chemist and druggist, late of Arbroath, has purchased the business of Mr. R. J. Middler, chemist and druggist, 252 Gorgie Road, Edinburgh.

Dr. Francis Boyd, who succeeds Professor Russell in the chair of clinical medicine at Edinburgh University, was formerly lecturer on materia medica in the school of medicine of the Royal Colleges, Edinburgh.

There has been such a rush of students to Edinburgh University that several hundreds have been unable to get enrolled. Ground has been acquired in the vicinity of the Blackford Hill for the construction of an extension to the chemical laboratories. The scheme is estimated to cost 250,000*l.*

Complaint was made at a recent meeting of the Botanical Society that workmen employed by the County Road Board were removing from Blackford Hill some of the rocks, among which the rarest plants grow. A

resolution was passed drawing the attention of the Corporation to the matter.

Edinburgh was severely hit by the railway strike, but one firm at least, Raimes, Clarke & Co., Ltd., rose to the occasion, and were able to keep a large number of their customers supplied. Priority of traffic having been obtained from the Food Transport officials, goods were delivered as far west as Airdrie and Coatbridge, and Fife was well supplied from Burntisland to St. Andrews. The firm also maintained a service on the south side of the Forth. A traveller was sent to various towns, and goods were delivered two days afterwards. The chemists in one town were so pleased with the delivery that one chemist offered to collect orders from his brother pharmacists for a further consignment the following week. The offer was accepted.

Fife.

Much sympathy is felt locally for Mr. Charles Barclay, Glencraig, whose father, an ex-Provost of the burgh, has died at the age of sixty-eight.

Owing to a printer's error a rumour is current that a Fifeshire chemist is opening a business in Perth. There is no truth in the statement. The address was inadvertently printed as Perth instead of Leven, and the chemist is using up the labels.

Mr. J. C. McCorquodale, J.P., chemist and druggist, late of Markinch, and now of 63 Glenmore Road, Belsize Park, London, N.W., has presented the Markinch Bowling Club, of which he was a member for over twenty years, with a silver medal for annual competition.

Glasgow.

The United Turkey Red Co., Ltd., Alexandria and West George Street, Glasgow, are extensively advertising their new disinfectant "Croftol."

The drug market report which figured until comparatively recently in the columns of the "Glasgow Herald" is now conspicuous by its absence.

A Glasgow chemist and a nurse have been charged with administering drugs and using an instrument in connection with an alleged illegal operation. The chemist has been granted bail.

Chemists' windows in the Shawlands district are variously devoted to proprietary foods (Mr. M. Carmichael), malt extracts (Mr. D. Watson), toilet creams and soaps (Mr. D. Moir), and hair preparations (Wilson, Macnie & Co., Ltd.).

It is announced that the retail department of the Glasgow Apothecaries' Co., Ltd., has been taken over by Messrs. J. H. Smith and T. C. Hutchison, chemists and druggists. As already mentioned in the *C. & D.* (July 29, p. 43), the wholesale business of the company has been acquired by T. & H. Smith, Ltd.

Dr. Joseph Knox, lecturer in chemistry at the University of Aberdeen, has been appointed to a similar position in Glasgow University. During the war Dr. Knox rendered valuable service, especially with regard to the production of nitrates from the atmosphere—on which subject he is one of the foremost authorities in the country.

Distributive Trades Conference.

A conference representative of the different Scottish distributive trades recently took place in the Merchants' House, West George Street, Glasgow, when the question under discussion was the composition and formation of the Trade Board or Boards to be adopted for these trades. Among those present were Messrs. A. Murray (trade secretary) and H. P. Arthur (general secretary) representing the Glasgow and West of Scotland Chemists' Association. It was intimated at the outset of the proceedings by the secretary (Mr. John M. Crosthwaite) that he had received official intimation from the Ministry of Labour that Sir Robert Horne had decided to create a Scottish Trade Board for the distributive trades; and consideration was given to the question of the composition of such a Board. Views were expressed by the representatives of several associations in favour of a separate Trade Board to deal with perishable foodstuffs; but it was pointed out that many complications would arise from undue multiplication of Boards. It was urged that the likely result would be unnecessary differentiation in wages of the various classes of workers in the various trades, and that instead of allaying industrial unrest it was more likely to create it. It was also pointed out that the Government had introduced a Minimum Wage Bill, and this emphasised the desirability of securing uniform conditions as far as possible for all distributive trades. Reference was also made to the fact that in the distributive trades the employés were drawn practically from the same households, and that one Trade Board could accordingly more reasonably deal with them all. A resolution was passed urging on all trades the necessity for forming a federation of their local associations so that each trade might be represented by a single federation which could speak with authority. It was agreed that a further meeting should be held after the Ministry of Labour had considered the results of this trade conference.

Organising the Drug-trade.

N.A.C.A. Meetings.

A meeting of the Bristol branch of the National Association of Chemists' Assistants was held on October 11, Mr. Wills in the chair. An interesting discussion took place on the question of a minimum wage for assistants, and it was decided to support the action of the Executive Council in fixing a minimum rate for all pharmacists' assistants. It was also decided to support the action of the Executive Council in registering the Association as a trade union.

The Hull branch of the National Association of Chemists' Assistants commenced the winter session with a social evening on October 3. The President (Mr. F. Sherwood Sellé) was in the chair, and among those present were the President (Mr. A. Snowden) and Secretary (Mr. T. H. Newton) of the Hull Pharmacists' Association. A capital programme of musical and other items was provided, and dancing and whist were arranged for the interval. A number of social and business meetings will be held during the session, and a hearty invitation to join the Association is being extended to assistants and apprentices in the district.

Drug Union Meetings.

The Wolverhampton branch of the Amalgamated Society of Pharmacists, Drug and Chemical Workers has resolved, after discussion of the Hours of Employment Bill, that the statutory week of all grades of drug workers should not exceed forty-four hours, exclusive of meal times; overtime for the first hour to be paid for at one-and-a-half times the ordinary rate, and for the second hour three times.

An enthusiastic meeting of the Brighton branch of the Amalgamated Society of Pharmacists, Drug and Chemical Workers was held recently, at which Mr. Barrett (London) spoke on *Organisation*. Thirteen new members were enrolled, and an invitation extended to all who have not yet joined. Monthly meetings will be held at 51 (Upper) Steine the last Friday in each month, at 8.30 p.m., when new members may enrol. Application forms may be had from the officers: President, Mr. F. W. Knowles, 204 Church Road, Hove; Treasurer, Mr. G. H. Hart, 25 Richmond Place; Secretary, Mr. B. Wimbush, 117 Beaconsfield Villas.

At a meeting held at Portsmouth, on October 14, steps were taken to form a local branch of the Society. The meeting was addressed by Mr. A. J. Gillian, who stated that in twelve months about thirty branches had been formed, including one at Southampton with 200 members. With regard to wages the Union had succeeded in getting increases for workers during the last few months, and had prepared a scale of suggested minimum salaries and working conditions. In the case of retail assistants they were endeavouring to establish the following rates: Managers, 6*l.* per week for the first year, 6*l.* 10*s.* afterwards, plus commissions and emoluments; unqualified assistants, over twenty-one, 4*l.* 10*s.*; qualified assistants, 5*l.* first year, 5*l.* 5*s.* afterwards.

French News.

(From the "C. & D." Paris Correspondent.)

M. A. Calmette has resigned his post as Professor of Hygiene and Bacteriology at the University of Lille. His successor is M. Breton.

The Congress of Learned Societies (*Sociétés Savantes*) of Paris and the provinces will be held at Strasbourg on May 25, 1920.

Professor Masson (Director of the Montpellier School of Pharmacy) and M. Elbel (General Secretary of the Official Committee on Medicinal Plants have been nominated Chevaliers of the Legion of Honour.

Professor Desgrez (Paris Faculty of Medicine) has been appointed to the Chemical and Physical Section of the Academy of Medicine, a position which was vacant owing to the death of Professor Bouchardat (Paris School of Pharmacy).

Bromine Works at Tunis.—Two factories for bromine and bromides have been founded by a French firm in Tunis; one at El Hanèche, the other at Ain-ès-Serah. The output is stated to be one hundred tons per month. Liquified chlorine is supplied from France and sent in iron receptacles, each containing 35 to 65 kilos. (approximately 70 to 130 lb.).

Eight-Hours' Day Act.—Protesting against the application of the Eight-Hours' Day Act to pharmacies, M. Toraude states: "With a head assistant at 600fr. a month, a second at 500fr., a laboratory porter at 400fr., and a girl packer at 300fr., one has a wages bill of 21,600fr. per annum. What pharmacy," he asks, "can support such expenses, except the large establishments in cities?"

Strasbourg School of Pharmacy.—The professors of the recently opened Superior School of Pharmacy at Strasbourg have been officially nominated. M. Jadin (Montpellier) is to be Director and Professor of Chemical Pharmacy. The chair of materia medica will be occupied by M. Brehmer, bacteriology and cryptogamy by M. Sartory, botany by M. Lavialle, general chemistry by M. Laborde, and analytical chemistry and toxicology by M. Kueny.

A Discussion on Emetine at a recent meeting of the Society of Therapeutics resulted in the following conclusions: Emetine should be pure, of recent extraction, and administered by hypodermic injection; 0.06 grm. to 0.10 grm. (some colonial doctors stated they used 0.15 grm.) to constitute the daily maximum and 0.80 grm. to 0.90 grm. the total administration; double iodide of bismuth and emetine has its advantages, but produces intense diarrhœa; hepatic, renal, or cardiac weakness may contraindicate treatment with emetine; the hypotensive action of the drug should be combated with suitable cardiac medication.

M. Jadin, the new Director of the Strasbourg School of Pharmacy, was born in Mauritius in 1864. He was one of the Vice-Presidents of the International Pharmacy Congress, held at Paris in 1900, and has lived, for the most part, at Montpellier, where he became chief hospital pharmacist in 1897, nine years after taking his diploma. At the local school of pharmacy he passed through the various stages from botany preparator to titular Professor of Pharmacy. The Laboratory of Industrial Pharmacy, founded at Montpellier with a view to giving students a practical insight into manufacturing processes, was due, in part, to his initiative (*C. & D.*, March 29, p. 51).

Marshal Ney's Pharmacist.—Dr. Bourdin publishes a biographical note on G. S. Sérullas chief pharmacist of Ney's Army Corps (1813) and personal friend of the "bravest of the brave." Sérullas was a volunteer in the armies of the First Republic, and a second-class pharmacist in Napoleon's "Army of Italy." He left to join Ney in May 1813; in November he was taken prisoner at Hanau, and only liberated when Napoleon fell. But when the Emperor returned from Elba we find Sérullas with the Fourth Corps in Belgium. After Waterloo the pharmacist was temporarily discharged, but the "Restoration" had need of chemists, and Sérullas was soon Professor at the Metz School of Application. He died of cholera in Paris in 1832. He was President of the Paris Society of Pharmacy in 1829, and in the same year was elected to Vauquelin's vacant *fauteuil* at the Academy of Sciences. His bust may still be seen at Val de Grâce, where he passed his last years as principal pharmacist. He studied the formation of sulphuric ether, and published researches on cyanogen, potassium, chlorine, carbon, alkalis, etc.

Some Legal Points.—M. Perreau, a legal authority, has been studying the question of the obligation of a pharmacist to dispense a prescription. Any unduly outspoken criticism of the doctor's script is clearly illegal. Even advice expressed in measured and moderate language is also punishable by law. On the other hand, the Courts have held that a doctor must not entice clients from a pharmacist without sufficient reason; such an act renders the offender liable for damages. The question whether a pharmacist has the right to interfere when a doctor is continually prescribing some patent (in the sale of which there is suspicion that the physician may be interested) is a delicate one, and the pharmacist must decide it for himself. But M. Perreau holds that a pharmacist has, generally speaking, a legal right to refuse in private practice to dispense a prescription, except in cases where the consequences would be serious, and also to protect himself against bad payers or other undesirables. This right of refusal does not extend to cases where military or civil requisition exists, or where a contract has been accepted to dispense for a factory, benefit society, etc.

A Curious Case.—A Grenoble pharmacist was requisitioned one night by the municipal authorities to dress a slight wound. He declined to do so. The case was carried to the higher Courts. The judgment of the Court of Cassation, upholding the condemnation of the pharmacist pronounced by the lower Court, has caused somewhat of a flutter in the professional dovecots. The "first-aid" given by a French pharmacist has hitherto been held to be a simple act of humanity, probably technically illegal. At any rate, when the Government decided to allow 75 centimes over and above cost of drugs or material used for each such dressing in case of accidents to workmen, etc., the medical associations raised a protest against the legalisation of the act of dressing wounds by pharmacists, and the tariff was revised accordingly. If the pharmacist may lawfully be called upon to perform a certain service, the legality of such service should be plainly and officially announced and upheld. Another point is that all schools of pharmacy should include in their curriculums a course of first-aid. So Dr. Henry Martin, the well-known Parisian pharmacist, suggests in an article on this case.

The Forthcoming Codex.—M. Cabannes publishes some interesting suggestions on the revision of the Codex. He thinks that certain current medicaments should be embodied in the new edition; for instance, sterilised camphorated oil, now used daily hypodermically. Phenosalyl, too, might be inscrted and accurately defined. The question of proprietaries is always a delicate one; but as Blaud's and Vallet's pills already figure, and several other formulas are easily recognisable (under their Codex names) by pharmacists, perhaps a judicious selection of useful and well-proved preparations could be made. The question of extracts, and the equivalents of extracts in tinctures, also deserve attention. French formulas for fluid extracts (as distinguished from American) might be given, and the mixture of alcohol and glycerin necessary to assure the limpidity and conservation of these extracts in solution codified. The physiological action of medicaments might be stated, for instance: "Sulphonal—hypnotic"; "tannin—astringent," etc. A schedule of medicaments which can be supplied without prescriptions would be welcomed by pharmacists. The recent Narcotic Drugs Act also requires to be dealt with in a manner which would secure the minimum of interference with pharmacists.

Colonial and Foreign News.

Two Belgian pharmacists, who have been cited in orders of the day of the French Army for "exceptional services in the course of the campaign," are M. Sévérin, Brussels (condemned to death by the Germans, his sentence being afterwards commuted to penal servitude for life), and M. Georges Derveaux, Paturages (sentenced to fifteen years' penal servitude).

The Finnish Pharmaceutical Society's Council has submitted to the Finnish Senate a proposal aiming at the creation of a central pharmacy in Helsingfors, two garrison pharmacies, one naval and a number of reserve pharmacies, to provide employment for military pharmacists and to ensure an adequate supply of medicines for the Finnish army. The *personnel* is to consist of five pharmacists, the manager holding rank corresponding to that of a regimental doctor, the other pharmacists that of a battalion doctor.

Inspection of Chemists' Shops in Brazil.—The Government Inspecting Committees of chemists' shops to the number of three have in the capital and in the interior inspected the pharmaceutical establishments which have been set up, and those which were already working. They confiscated articles which were useless for the purpose stated or had lost their strength, or were believed to be falsified, and these were either analysed or destroyed. During the year 1918, 1,174 visits were made to chemists' shops in the capital and in the interior; 45 fines were imposed and 45 chemists' shops were opened and 22 closed.

Swedish Pharmaceutical Association.—At the annual meeting of the Swedish Apotekare Societet, held recently at Stockholm, it was decided to act upon the suggestion from the directors of the Medical Board that, in order to counteract the prevailing scarcity of assistant pharmacists, a new class of female pharmacy assistants should be introduced. The Association also sanctioned various estimates, including a grant of 12,000 kr. to necessitous widows and children of late members, 1,500 kr. to necessitous assistants or widows and children of assistants, 1,200 kr. to the "Svensk Farmaceutisk Tidskrift," and 1,500 kr. for the continuation of the publication of the "History of Swedish Pharmacists."

Chinese Vermilion.—After about three very lean years, due to the difficulties of getting supplies of mercury as well as of disposing of their product abroad, Hongkong makers of vermilion report a revival, including fair inquiries from the United States. Since the beginning of the war, so far as the United States is concerned, trade in mercury and in vermilion has practically ceased. Mercury was imported into Hongkong in 1918 to the value of $715,547 gold, of which all but about $50,000 came from the Yangtze Valley. Vermilion was exported in 1918 to the value of $665,310 gold, the great bulk of which went back to China, whence the raw materials came, India and the Straits Settlements taking small lots. Exports so far during the current year have been on the increase, the value of shipments the first quarter of 1919 reaching $92,767 gold, while shipments in the second quarter were somewhat larger.

The Swedish Drug Commission.—The dependence of Sweden upon other countries for a large portion of pharmaceutical products, drugs, and chemicals induced the directors of the Medical Board to appoint a special committee, in 1915, to deal with the question. The committee continued its activity until August 1919, and in a report which has just been issued it is stated that the imports in the years concerned were obtained from Germany, the United States, and England. Supplies in smaller quantities were also received from Austria, Switzerland, Holland, Norway, and other countries. The value of the imports from Germany amounted to 4,951,000kr., from England to 1,749,000kr., and from the United States to 1,132,000kr., while the total from all countries reached 12,018,000kr. It was found necessary, at the beginning of 1917, to introduce a system of rationing of certain medicines. The number of rationed products began with sixty, and it was gradually increased to 119.

The new Spanish law regulating the manufacture and sale of specialities (the terms of which were given in The Chemist and Druggist, August 30, p. 51) has induced the manufacturers of pharmaceutical specialities to form an association, and, at a general meeting recently held in Madrid, a number of alterations was proposed and submitted to the Government. These alterations include the following suggestions: The suppression of the demand that the manufacturer should state his reasons for marketing the preparation submitted for registration as a speciality, also of the entire paragraph defining what is understood by potent drugs; that it will not be required to state the composition of the preparation in all printed matter referring to it; that those specialities which may only be sold on a medical man's prescription should bear a distinctive label; that a clear definition be given of what constitutes a speciality of this category; and that the importation and sale of foreign specialities should be made dependent upon reciprocal treatment of Spanish specialities in the country of origin.

Narcotics in Cuba.—A Cuban law dated July 25 regulates the importation into and production and sale in Cuba of narcotic products. The law provides that only legally established pharmacists and druggists attached to a hospital, clinic, or other similar institution may import or produce the following narcotic drugs and their preparations: Opium, Indian hemp, chloroform, sulphuric ether, chloral hydrate, morphia, narceine, heroin, dionine, peronine, cocaine, novocain, tropocaine, eucaine, stovaine, mariguane, and other products specified by the competent Cuban authorities as being prejudicial to health. The restriction applies to the products in question, whether pure or made up as specialities, extracts, tinctures, and other medicinal preparations. Also to hypodermic ampoules, and tablets containing the products, either alone or combined; to all pills, pilules, tablets, pastilles, syrups, elixirs, or other pharmaceutical forms containing the products; and to certain specified products containing them. Other provisions of the law deal with the production and sale of the said products in Cuba, and with the keeping of special records of the amounts manufactured, imported, or in stock.

Socialising Production in Austria.—The latest report on socialisation from Vienna, dated October 5, states that the Government is forming a German-Austrian Medical Drug Department, the capital for which is being provided partly by the State and partly by contributions from the Vienna State Hospital funds, while the balance is to be raised by the issue of debentures. The object of the new department is chiefly to supply the hospitals and sick funds. In addition to purchasing drugs, the department will exercise control over the undertakings concerned; for example, the Austrian firms of Fritz Petzold, Roeder, and Rabe and the Pharmazeutische Industri A.-G. are to be transformed into limited companies on a common economic basis. Half the number of directors will be appointed by the shareholders and the remaining half will be selected partly by the Medical Drug Department and partly by the works councils of the workmen and staff. A share in the profits is to be given to all the employés of the companies and of the Drug Department. It is said that the first three firms have voluntarily approved the conversion into companies on the basis mentioned. The Medical Drug Department also intends to embark on the manufacture of chemicals, and the former State munition works on the Steinfeld, near Vienna, is to be used for this purpose. Controlled firms will be required to produce and sell medicines in the form of tablets, pills, etc., corresponding to the average prescriptions. The hospitals and sick funds will use these standard articles almost exclusively, specialities only being resorted to when they have a higher curative value. The obligation is imposed upon the pharmacies also to keep the standard products for sale which doctors will prescribe, the latter no longer recommending costly specialities. All prices will be fixed by the Medical Drug Department. Thus pharmacies will become merely sales depôts, and in this way the gradual socialisation of pharmacy will be accomplished.

Legal Reports.

Venereal Disease Act.—At Bootle (Liverpool) Police Court, on October 7, Miller Murray, Knowsley Medical Hall, was summoned for unlawfully treating for reward a person suffering from a venereal disease. He pleaded "Not guilty." It was stated for the prosecution that a patient (whose name and address were not made public) had been treated for the disease by the defendant on several occasions; the patient's condition, however, became so bad that eventually he had to go to a hospital, where he was immediately operated upon. The patient, in evidence, said defendant told him his terms were 10*s.* 6*d.* down and 5*s.* per week for three weeks. Witness could not afford that, but ultimately agreed to pay 5*s.* a week. Defendant said he did not recollect witness ever being "in his show" that year. The only place he remembered seeing him in was a public-house. As to the bottle of medicine put in, there was no label attached and he never sold even two-pennyworth of castor oil without putting on a label. Medical evidence having been given, the Bench imposed a fine of 20*l.*, or in default three months' imprisonment.

Customs Consolidation Act, 1876.

IMPORTATION OF PYROGALLOL.

In the Chancery Division, London, before Mr. Justice Younger, on October 14, Mr. R. A. Wright, K.C., applied for an early date to be fixed for the trial without pleadings of the test action brought by Brown & Forth, chemical manufacturers, against Mr. Buckley, the Manchester Collector of Customs, raising an important question as to the legality of the Royal Proclamation prohibiting the import of chemicals (see *C. & D.*, September 27, p. 70).

Counsel stated that the case was of considerable importance not only to the plaintiffs, whose goods had been seized and detained, but to traders and the public generally. It raised the question whether it was possible to practise Tariff Reform by Executive act without express Parliamentary sanction.

His Lordship: I had almost expected to see Sir John Simon in person in this case. (Laughter.)

Counsel said that the plaintiffs had imported a quantity of pyrogallic acid, which was an ordinary article of commerce used in photography. It was seized by the Collector of Customs at Manchester under the colour of a proclamation prohibiting the import of chemicals, and that proclamation purported to be issued under Section 43 of the Customs Consolidation Act, 1876. The contention of the plaintiffs was that there was no power under the Act to issue such a proclamation, or to prohibit the importation of ordinary articles of commerce, and they brought their action for a declaration that the seizure was unauthorised and wrongful. When the matter came before the Vacation Court Mr. Justice Greer showed considerable sympathy with the plaintiffs, and said he was inclined to think that their construction of the proclamation was right, but he was unable finally to decide so grave a question on an interlocutory application.

The Attorney-General opposed the application on the ground that every point taken by the plaintiffs could be raised on the proceedings already instituted by the Crown for the condemnation of the goods, which was the procedure prescribed by the statute. The action was also misconceived because it was brought against a subordinate who had no power to return the goods.

His Lordship said that in face of the opposition of the Crown he could not insist upon the action being set down without pleadings. The plaintiffs must proceed in the ordinary way with pleadings.

WHY DO THEY DO IT?—A London morning paper thus delivers itself concerning an exhibit of aspirin at the recent London Medical Exhibition: "... an aspirin manufactured from acetysalicylic acid of the highest purity, absolutely free from salicylic or ascetic acid, and from impurities." No prize is offered for a correct solution.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

VICTORIA CHEMICAL WORKS, LTD. (P.C.).—Capital, 5,000*l.* Objects: To carry on the business of manufacturing chemists and druggists, oil and colour men, etc. The first directors are: A. H. Pickering, 85-88 Minories, E. 1, chemical merchant; H. J. Mace and H. G. Campion, 5 Queen Victoria Street, E.C. 4, solicitor. R.O.: 85-88 Minories, London, E. 1.

MATTHEW THOMAS & Co., LTD. (P.C.).—Capital, 3,000*l.* Objects: To acquire the business of T. M. Hinchy, druggist, Cork, trading as "Matthew Thomas & Co." The first directors are T. M. Hinchy, 5 Windsor Villas, Highfield Avenue, Cork, druggist; and Mrs. N. Hinchy, 5 Windsor Villas, Highfield Avenue, Cork. R.O., 146 and 147 Barrack Street, Cork.

NOFLAME PAINT, LTD. (P.C.).—Capital, 6,000*l.* Objects: To carry on the business of oil, varnish, and colour men, pharmaceutical, manufacturing and general chemists, druggists and drysalters, manufacturers, importers and exporters of and dealers in uninflammable oil and water and other paints, etc. Secretary, J. Sargent. R.O.: 1 Quality Court, Chancery Lane, London, W.C. 2.

HEATHS (LONDON), LTD. (P.C.).—Capital, 5,000*l.* Objects: To carry on the business of pharmaceutical, analytical, manufacturing or consulting chemists, druggists, drysalters, oil and colour men, etc. The first directors are E. N. Heath, 41 Penny Lane, Liverpool, pharmacist; and J. S. M. Mocatta, 27 Ullet Road, Liverpool, chemist. Solicitor, T. F. Gaskill, 71 Lord Street, Liverpool.

CAPTAIN DUNCAN MARSH, solicitor, has been appointed secretary to Brunner, Mond & Co., Ltd.

BANDOENG QUININE FACTORY.—For the year 1918 the Bandoeng quinine factory is paying a dividend of fl.250 on ordinary shares, and fl.931,35 on founder's shares.

BORAX CONSOLIDATED, LTD.—The directors have declared a dividend of 6 per cent. per annum, less income tax at 6*s.* in the pound, on the preferred ordinary shares in respect of the half-year ended September 30 last.

BRUNNER, MOND & Co., LTD.—A circular has been addressed to the shareholders stating that in view of the many and inaccurate reports recently circulated in financial circles, the directors desire it to be known that they have concluded an agreement to sell to Lever Bros., Ltd., the ordinary shares in Joseph Crosfield & Sons and William Gossage & Sons, which were acquired by Brunner, Mond & Co. in 1911. The sale was made at a price which the directors consider is a fair one, and is payable in cash.

EVANS SONS LESCHER & WEBB, LTD.—A prospectus will shortly be issued inviting subscriptions for further capital for this well-known Liverpool and London company. The demand for their products during the war has, it is stated, resulted in big developments, and further capital is required to finance and extend these developments. It is stated that ordinary shares will be issued at a premium, and having regard to the company's past records it may safely be assumed that a ready response will be made by investors.

A. & F. PEARS, LTD.—The report of the directors states that the net profit for the year ended June 30, 1919, was 103,896*l.* 4*s.* 9*d.*, and with the amount brought forward from 1917-1918, viz. 16,406*l.* 4*s.* 8*d.*, makes a total of 120,302*l.* 9*s.* 5*d.* Out of this amount payment has been made of the following dividends and debenture interest for the year ended June 30, 1919, viz.: On 200,000*l.* 5 per cent. debenture stock at the rate of 5 per cent. per annum, 10,000*l.*; on 20,000 6 per cent. cumulative preference shares of 10*l.* each at the rate of 6 per cent. per annum, 12,000*l.*; on 320,000 12 per cent. cumulative preferred ordinary shares of 1*l.* each at the rate of 12 per cent. per annum, 38,400*l.*; on 200,000 ordinary shares of 1*l.* each at the rate of 20 per cent., 40,000*l.*; amount to be carried to reserve is 5,000*l.*; thus leaving a balance to be carried forward of 14,902*l.* 9*s.* 5*d.*

Pharmaceutical Society of Great Britain.

Examination Results.

We have received the following lists of persons who have passed the Qualifying examination in Edinburgh and London, and also lists of those candidates who satisfied the examiners in Part 1 of the examination :

Edinburgh.

Qualifying Examination.

Parts I. and II.

The following persons, having passed in both parts of the Qualifying examination, have been duly registered as chemists and druggists :

Bisset, Mary C. F., Philipstoun
Black, Hugh R., Galston
Burns, Jas. W., Glasgow
Campbell, Hugh, Johnstone
Condie, R., Dumfermline
Cooper, C., Bishop Auckland
Dickie, W. B., Ayr
Findlay, G., Cullen, N.B.
Graham, Charlotte, Kirkintilloch
Graham, David, Kirkintilloch
Grant, Alex., Dufftown, N.B.
Heron, Jean F., Glasgow
Hunter, Hugh B., Howie, Edinburgh
Ironside, A. J., New Deer, N.B.
Lowrie, Robert, Edinburgh
McAlpine, Christina, Wishaw
McCulloch, John, Falkirk
McGowan, David, Glasgow
MacGregor, Maggie M., Keith
MacInnes, Colin, Glasgow
MacWilliam, Agnes H., Evanton, N.B.
Officer, Andrew, Elgin
Payne, Norman, South Shields
Peebles, T. S., Carnoustie
Petrie, Jeanette J., Inverness
Pope, William, Aberdeen
Robertson, Dora A., Leith
Robertson, Margaret G., Rutherglen
Short, Winifred, Millom
Smith, Alex., Lossiemouth
Smith, Stephen, Berwick-on-Tweed
Stott, J. H., Edinburgh
Taylor, Janet A., Kilburnie
Tulloch, Elizabeth S., Dundee
Wolfson, Lewis, Glasgow .

Part I.

The following persons have satisfied the examiners in Part 1. of the Qualifying examination :

Armstrong, Thos., Bellshill
Cameron, William, Glasgow
Carmichael, James, Glasgow
Davidson, W. B., Edinburgh
Davidson, W. G., Montrose
Dinning, John, Edinburgh
Fairclough, J. P., Edinburgh
Hamilton, Peter, Glasgow
Janes, E. W., Manchester
Johnston, W. C., Edinburgh
Kean, R. H., Glasgow
Oliphant, Jessie, West Kilbride
Stuart, Edward, Edinburgh

London.

Qualifying Examination.

Parts I. and II.

The following persons, having passed in both parts of the Qualifying examination, have been duly registered as chemists and druggists :

Abbot, Frank, Kington
Abse, Max, Bridgend
Aked, Eileen M., Harrogate
Ashley, S. A., Bewdley
Banks, W. H., Stockport
Barlow, Dora K., Braunton
Blackburn, Alfred, Bolton
Bradshaw, A. G., Lincoln
Bradwell, C. H., Sheffield
Browning, L. W., Walthamstow
Clegg, Alan H., Halifax
Cliff, H. S., Torquay
Cortes, Erlinda D., Golders Green
Cunningham, A. L., Victoria
Dack, G. T., South Shields
Dando, A. J., Hoole
Darby, W. L., Leeds
Dixon, A. B., Llanelly
Dodman, S. B., Bloomsbury
Dutton, E. S., Tarporley
Eastwood, W. C., Bradford
Edwards, J. E., Liverpool
Evans, E. R., Pencoed
Francis, D. E., Manchester
Garrard, F. J., Johannesburg
George, G. S., Cambridge
Graves, A. G., Folkingham
Green, A. C., Trowbridge
Hadfield, John, Leicester
Harries, C. O., Swansea
Harry, C. R., Neath
Herbison, Dorothy, Hastings
Higgins, G. H. D. A., Harrow
Hiles, C. S., Blyth
Hoffman, A., Cape Town
Hughes, J. B., Llanduff North
Hunt, W. R., Highgate
Jackson, D. C., Wednesbury
Jones, G. P., Farnworth
Jones, R. A., Birmingham
Kelynack, F. H., Hayle
La Mothe, F. H., Bolton
Lander, Norman, Bradford
Lane, A. E., Bristol
Leach, T. H. de B., Stoney Stratford
Martin, J. J., Blackburn
Mills, T. E., Caersws
Mitchell, G. R., Shirebrook
Mottershead, John, Buxton
Mumby, Sidney, Osgodby
Parkin, W. R., Catford
Powell, W. J., Stockport
Ralph, A. A., Leeds
Rees, D. F., Brixton
Roberts, Jennie P., Blaenau Festiniog
Rowson, R. H., Chester
Sandford, E. P., Manchester
Seymour, W. B., Sydney
Shepherd, Rosa M., Clevedon
Shilston, Nellie M., West Hartlepool
Smith, Joyce C., Scarborough
Smith, L. V., Leeds
Tighe, C. W., Exeter
Torrance, D. B., Uttoxeter
Wardell, R. E., Chesterfield
Weatherhead, W. E., Pateley Bridge
Wilks, S. E., Acocks Green
Will, Elizabeth G., Brixton
Willcocks, J. S., Datchet
Williams, Samuel, Cenarth
Williamson, Emma, Blackpool
Winsor, Edith M., Paignton
Wright, H. B, Burton-on-Trent
Wright, S. S., Platt Bridge
Yardley, Althea, Coventry
Yearby, C. B., Leicester

Part I.

The following persons have satisfied the examiners in Part I. of the Qualifying examination :

Critchley, A., Bolton
Crook, O., Halifax
Glyn-Jones, H., Palmer's Green
Hall, Edward, Wigan
Hartley, R., Headingley
Hornbrook, J., Morecambe
Jones, Tom, Llanelly
Kebbell, C. G., Goodmayes
Martin, E. J., Bristol
Mather, Alfred, Ashton-in-Makerfield
Noott, S. A., Birmingham
Oakes, V. P. A., Walsall
Owen, T. B., Garnant
Parkinson, C., St. Anne's-on-Sea
Paterson, James, Willesden
Potts, R. A., New Brighton
Price, T. C., Pontygwaith
Sayle, T. L., Balham
Smith, W. A., Liverpool
Thomas, Geoffrey A., Liverpool
Trick, Dorothy, Mumbles
Wells, C. P., Clapton

Personalities.

Mr. Arthur Lander, J.P., Ph.C., High Street, Canterbury, has been appointed Almoner of the United Industrious Lodge of Freemasons.

Mr. William Woolley, J.P., manufacturing chemist, Blackburn, has been nominated as Liberal candidate for St. Mary's ward at the Blackburn municipal election.

Mr. J. Righton, chemist and druggist, Lord Street, Southport, has been elected to the Committee of the Southport Guardian Society for the Protection of Trade.

Mr. W. J. Barnes, J.P., chemist and druggist, Dover, has been appointed a Justice for the borough, under the provisions of the Lunacy and Mental Deficiency Acts.

Mr. J. S. Snell, chemist and druggist, Burnley Road, Accrington, has been adopted as the official Liberal candidate for the Peel Park ward at the forthcoming municipal election.

Sir George Newman has been appointed representative of the Privy Council on the General Council of Medical Education and Registration in place of Sir Arthur Newsholme, resigned.

Mr. J. J. B. Waldron, who has represented Burroughs Wellcome & Co. for some years in Spain, is now commencing business in Madrid on his own account as an agent for British chemicals and chemists' goods.

Mr. Wilfrid Lean, Ph.C., managing director of Francis Hallam, Ltd., chemist, High Street, Burton-on-Trent, has been nominated by the Burton Chamber of Trade to stand at the forthcoming municipal election. He has three opponents for the seat.

Mr. H. C. Quelch (Henry C. Quelch & Co., 4 & 5 Ludgate Square, London, E.C. 4) left London on October 11 for New York. Mr. Quelch, who is accompanied by Mrs. Quelch, is making an extended tour in the United States and Canada, and will be away from England for some months.

Mr. H. Bridgeman, 77 Union Road, London, S.W. 4, who has represented Sangers, 258 Euston Road, N.W. 1, in the West of England for several years, has been appointed to London territory, and will shortly be succeeded by Mr. J. Saker. Mr. Percy E. Carr has been appointed representative for Sangers on the South Coast.

Associations' Winter Session.

Birmingham.—The annual meeting of Birmingham Pharmaceutical Association was held on October 15, at the University. Mr. H. O. Lloyd (President), in moving the adoption of the report, expressed gratification at the sum raised for the War Auxiliary Benevolent Fund. (*C. & D.*, October 4, p. 75.) In connection with the school of pharmacy opened on October 6, he said already there are sixty demobilised men in training, and in all likelihood the school would be full for the next two sessions. The students might be able to form a strong associate section, and arrange lectures on scientific subjects during the winter. The Birmingham Chemists' Field Ambulance had concluded its work, and a balance of 10*l.* had been handed over to St. Dunstan's Hostel. The balance-sheet of the Association showed an improvement to the extent of 20*l.* on the year, but the need for a larger subscription was still existent. The report was adopted. Mr. C. Thompson wrote intimating his resignation as a member of the Council, on which he had served for over forty years. It was decided to send a resolution to Mr. Thompson, expressing regret at his retirement and appreciation of his services to pharmacy. Messrs. Lloyd, Mann, Radford, Smith, and Wakefield were re-elected on the Hospital Out-patients' Dispensing Sub-Committee. No decision on the question of prices had been promulgated, pending national action from London. Messrs. Atkinson, Francis, Marshall, Rigg, and Whittock were re-elected on the Minimum Prices Committee, with Mr. C. V. Thompson. A national boycott of unprofitable patent medicines was recommended in a letter received from the Halifax Association. After consideration, the matter was referred to the Council, with a request that a discussion should be arranged at an early date. The Education Committee, consisting of the President, the Secretary, Messrs. Mann, Rigg, and Alcock, was re-elected. The following were elected as the Council: Messrs. J. W. Atkinson, E. Corfield, H. C. Lloyd, E. W. Mann, H. H. Marshall, J. A. Radford, F. Smith, and A. W. Southall. The following are also members by virtue of membership of the Pharmaceutical Committee: Messrs. J. T. Bell, H. Buckingham, E. S. Francis, G. Knowles, Councillor J. Poole, H. Rigg, W. Shakespear, F. W. Smallwood, J. Wakefield, and W. H. Whittock.

Blackburn. An association of chemists' assistants has been formed, with Mr. Makin as secretary.

Bolton.—At the recent annual general meeting of the Bolton Pharmacists' Association the following officers were elected: *President*, Mr. E. N. Fox; *Secretary*, Mr. W. Charlton; *Treasurer*, Mr. J. Brindle. It was decided to raise the subscription to 7*s.* 6*d.*

Dublin.—A committee meeting of the Dublin Retail Drug Association was held on October 8, Mr. John Smith (President) in the chair. The following were also present: Messrs. J. N. Hardy, G. A. McLean Lee, R. Mellon, W. H. Boyd, D. M. Watson, V. E. Hanna, F. R. Middleton, Dr. J. A. Walsh, and Mr. R. J. Kidney (Secretary). Correspondence from the following was dealt with: Messrs. Geo. White & Sons, Ltd. (Waterford), Pharman Crawford (Dublin), Price's Medical Hall (Dublin), Limerick Retail Chemists' Association, Ulster Retail Drug Trade Association, and the Director of Cross-Channel Transportation (Dublin). The following new members were elected: Dr. D. O'Sullivan (Kinsale), Mr. J. O'Sullivan (Queenstown), Mr. Wm. G. West (Dublin), and Mr. J. M. Whelan (Galway). The Secretary reported the arrangements made for the general meeting held on October 13.

Irish C.A.A.—The Committee appointed by the Central Branch of the Chemists' Assistants' Association to receive reports from the branches throughout the country with regard to future action following on the breakdown of the negotiations at the Chemists' and Druggists' (Ireland) Joint Industrial Council, which met at the Ministry of Labour, Dublin, on September 17 and 18 (*C. & D.*, September 27, p. 66), held their first meeting on October 2. The Committee, after a prolonged discussion, during which the attitude of the employers' representatives at the Joint Councils was severely criticised, unanimously decided to offer arbitration to the Employers' Association.

Liverpool.—A representative gathering of the wholesale and retail branches of the drug trade assembled at the Yamen Café on October 8, when the winter session of the Liverpool Chemists' Association was inaugurated with a social evening and whist drive. After the prizes had been distributed by the President (Mr. D. H. Evans), a capital programme of music was provided.

Salford.—The Salford Pharmaceutical Association held the first meeting of the session on October 8, the President (Mr. Davison) in the chair. The new syllabus includes addresses from Messrs. Deakin, Rowsell, and Mallinson. Messrs. J. Jones and J. Lyle Davison were appointed to attend the forthcoming meeting of the Lancashire Federation at Liverpool. A letter from the Secretary to the Proprietary Articles Trade Association regarding the sale of protected goods by grocers and others was discussed, but, as there are no complaints of cutting in Salford, it was decided to leave the matter alone. Saturday-night closing came up for further discussion, and Mr. Simmons reported on an interview with the local authorities. It was agreed to defer the matter. The Profiteering Act was also discussed, and the general view was that local chemists are not profiteering.

Business Changes.

Mr. W. Kendrew, late of Bridlington, has acquired the pharmacy at 44 Trafford Road, Eccles, Lancs.

Mr. E. Walsh, chemist and druggist, has taken over the business of the late Mr. G. Marsden, Flixton, Manchester.

Colmans, Ltd., chemists, have purchased the business of Mr. F. Chandler, chemist and druggist, 79 Chorley Road, Swinton, Manchester.

Messrs. Reyno & Pérez inform us that they have commenced business as chemical and drug importers and commission agents at Monte Video, Uruguay.

Mr. F. Strawson, chemist and druggist, Dorking, has disposed of his business at Calne, Wilts, to Mr. J. A. Sharp, chemist and druggist, late of Gloucester.

Mr. W. G. Brooks, chemist and druggist, Southport has purchased the business of Mr. F. W. Whiteley, chemist and druggist, The Abbey Pharmacy, Rhyl.

Mr. J. B. Day-Lewis, chemist and druggist, late of Ponders End, has acquired the Sandgate branch of Mr. H. Barnett, chemist and druggist, Hythe, Kent.

Mr. A. E. Marlow, chemist and druggist, who has carried on business at Owen Road, Wolverhampton, for some years, is about to open a branch shop at Penn.

Helianthus as a Cinchona Substitute.—A German prisoner of war who has returned from Siberia states that Helianthus (species not named, but probably the ordinary sunflower is meant, which is largely grown in Siberia) is extensively used as a perfect substitute for the unobtainable cinchona bark. The leaves and young stems of helianthus are extracted with alcohol, and the resulting extract is used by the Siberian peasants as a prophylactic, and also as a remedy, for malaria. It has been already for many years in use in the fever districts, and the German prisoners speak very highly of its value.

Mr. W. B. Trick, J.P., senior director of Lewis & Burrows, Ltd., informs us that, owing to the fact that his company did not deem it advisable to join the Association of Proprietors of Multiple Shop Businesses, the Company Chemists' Association, Ltd. (of which Sir Jesse Boot is Chairman), have nominated Mr. Roberts, of Taylors' Drug Co., Ltd., as a representative of the Company Chemists' Association on the Local Associations Executive of the Pharmaceutical Society, in place of Mr. W. B. Trick, who has represented the Association on the L.A.E. for the past eight years.

Birth.

Edwards.—At 5 Park House, Highbury Park, London, N. 5, on October 8, the wife of A. W. Edwards, chemist and druggist, of a daughter.

Marriages.

Cooper—Slater.—At Salem U. M. Church, Newcastle-on-Tyne, on October 9, by the Rev. J. Mitchell, Colchester (uncle of the bridegroom), assisted by the Rev. C. T. England, George Harold Cooper, pharmacist, second son of the late Rev. T. Cooper, to Essie, only daughter of Mrs. and the late Mr. George Henry Slater, solicitor, all of Newcastle. "At Home," 35 Highbury, West Jesmond, Newcastle-on-Tyne.

Watson—Lomax.—At Duckworth Street Congregational Church, Darwen, on October 8, H. C. Watson, Sudell Road, to Annie, youngest daughter of Mr. W. H. Lomax, Ph.C., Church Street.

Deaths.

Crozier.—At Lytham, on October 9, Mr. Robert Crozier, chemist and druggist, Clifton Square, aged seventy-four. Mr. Crozier, who was a native of Garstang, served his apprenticeship at Lytham to the late Mr. George Thistleton. He passed the Modified examination in 1868, and subsequently succeeded Mr. Thistleton in business. Mr. Crozier was well known in many circles, being associated with the local government of the town in the days before the creation of a district council. He took a deep interest in education and social work, and was up to his death a governor of Lytham School charities and secretary of the Lytham Cottage Hospital. At the Parish Church he had filled the offices of sidesman and churchwarden, and in West Lancashire he was well known as a Freemason. He is survived by three sons and eight daughters.

Umney.—At his residence, Berea Court, Yapton, Arundel, on October 9, Mr. John Charles Umney, F.C.S., Ph.C., a director of Wright, Layman & Umney, Ltd., 44-50 Southwark Street, London, S.E. 1, aged fifty-one. By the death (briefly recorded in our last issue) of Mr. J. C. Umney at a comparatively early age, an outstanding and universally esteemed personality disappears from the drug-trade. John Charles Umney was the second son of the late Mr. Charles Umney, Ph.C., whose six sons variously distinguished themselves in pharmacy, medicine, dentistry, and technology. He was born in London, and was educated at Dulwich College, where he held a junior scholarship. In 1885 he passed the London Matriculation examination (in the first division), having during his school-days made a name for himself also in sports and as an amateur actor (*C. & D.*, II., 1913, p. 109). In October of that year he was apprenticed to the late Mr. William Martindale, New Cavendish Street, W., and in the same year began his long connection with the British Pharmaceutical Conference. Membership was followed by election (in 1896) to the executive committee, and subsequently to the treasurership (1898-1912) and the presidency (1913). Mr. Umney had not long been apprenticed when he detected a slip in the British Pharmacopœia, 1885, and called attention to it in a brief and characteristic letter. His next public appearance was at an evening meeting of the Pharmaceutical Society in February 1889, at which his paper, on "The Congealing-point of Oil of Anise," followed one read by the late Sir Peter Squire. The introduction to our report of that meeting states: "The appearance of Mr. John C. Umney as an original worker in pharmacy was the occasion for some pretty compliments paid to him and his father, Mr. Charles Umney. These were not undeserved. . . . This was an important paper, well put together, and indicating good taste as well as good work, though observers of high repute had to be criticised." Mr. Umney entered the Bloomsbury Square School of Pharmacy in the 1890 session, and repeated his father's success of 1863 by taking the bronze and silver medals in practical chemistry. While at the Square, he took an active part in the work of the School of Pharmacy Students' Association; he was also a prominent member of the Chemists' Assistants' Association, of which he became a vice-president in 1891. He passed the Minor examination in December 1889, and the Major in April 1890; then he entered the Research Laboratory at the Square, and was associated with Professor Dunstan in a communication to the Chemical Society in 1892 on the alkaloids of true *Aconitum Napellus*. He took part in other researches with Professor Dunstan, including the one on the salicylates which contributed to the exclusion from medicine of sodium salicylate contaminated with meta- and para-creosotates. A paper read before the Chemists' Assistants' Association in 1895 settled his position as an authority on essential oils; and from 1889 to near the close of his life his contributions to chemical literature were numerous and of wide scope (*C. & D.*, II., 1913, p. 85). In 1910 he established the "Perfumery and Essential Oil Record," and he was the author of the monograph on essential oils in the present edition of Thorpe's "Dictionary of Applied Chemistry." A considerable proportion of Mr. Umney's work bears direct relation to the British Pharmacopœia. When the 1898 edition of that work was published, besides writing in a remarkably short time a "Guide" to it, he contributed a series of articles to The Chemist and Druggist on the spirits, tinctures, and liquors. When the General Medical Council called in a Committee of Reference of pharmaceutical experts to assist in the preparation of the British Pharmacopœia, 1914, Mr. Umney was one of those appointed, and was one of the hardest workers. Earlier in his career, he had been largely responsible for the standards for medicines adopted by the Local Government Board of Ireland; and such results were the outcome of unremitting and brilliantly conceived investigations. Mr. Umney was admitted into the Southwark business as a partner in 1892, and on its conversion into a limited company became a director. In 1898 he became secretary of the Drug Club, and was its president from 1909 to 1911. The retail side of the trade was simultaneously claiming Mr. Umney's services. At the historic convention of the Proprietary Articles Trade Association held in London on November 26, 1902, Mr. Umney was the first speaker, and gave the lead to an extension of the Protected List. He subsequently filled the office of president of the Association, that of chairman of the chemical and other sections of the London Chamber of Commerce, that of a juror at the Franco-British Exhibition, 1908, and that of an auditor of the Pharmaceutical Society of Great Britain. His labours in connection with industrial alcohol, the spirit-rebate, and other important matters have not been forgotten in the trade; and his evidence before the Select Committee of the House of Commons on Patent Medicines in 1912 formed one of the most impressive incidents of the inquiry, and completely changed its aspects. The *éclat* of his presidency of the British Pharmaceutical Conference in 1913, its jubilee

Mr. John Charles Umney, F.C.S., Ph.C.

year, is fresh in the minds of those who were present. As we have indicated, Mr. Umney was a Fellow of the Chemical Society; he was also a Fellow of the Royal Botanical Society and of the Society of Public Analysts. In 1914 he was awarded the Silver Medal of the Royal Society of Arts. Mr. Umney, who had been in failing health for some time, is survived by a widow and two children. Readers of The Chemist and Druggist will remember that a specially taken portrait of Mr. and Mrs. Umney appeared in the summer issue of 1913 (p. 155); amid the sorrows of the war, they had the gratification of learning that their only son had won the Military Cross (*C. & D.*, 1918, p. 801). The funeral took place at Yapton Church on October 13. The service, which was choral, was attended by several leading members of the trade, who travelled from London to Barnham Junction by a morning train. By the late Mr. Umney's request, "no mourning" was the rule. Those present included Mr. Howard Umney (son), Dr. W. F. Umney, Mr. Herbert Umney, Mr. Percy Umney, and Mr. E. A. Umney, Ph.C. (brothers); Mr. Leonard Carter and Mr. Williams (brothers-in-law); Mr H. C. Wright, Mr. F. N. Layman, and Mr. E. B. Layman (Wright, Layman & Umney, Ltd.); Mr. C. A. Hill, Mr. Roger K. Harvey, Mr. Alan Francis, and Mr. R. R. Bennett (The British Drug Houses, Ltd.—Mr. C. A. Hill representing, in addition, the British Pharmaceutical Conference); Mr. F. C. J. Bird (C. R. Harker, Stagg & Morgan, Ltd.); Mr. F. Grimwade (Grimwade, Ridley & Co.); Mr. A. F. Harrison (Street & Co.); Mr Kilby Pears; Mr. F. A. Rogers; Mr. A. P. Merrin; Mr. Edmund White (representing the Pharmaceutical Society of Great Britain); Mr. C. T. Bennett, Mr. J. Knight, Mr. Agnew, Mr. Leslie, and other representatives of Wright, Layman & Umney, Ltd.

Mr. Ernest J. Parry, B.Sc., F.I.C., writes: Although a great community of interests, especially in all matters concerning essential oils, formed a strong tie between us, our thirty odd years of friendship had its roots in a prior and deeper foundation. In the 'sixties two youngsters, who had been brought up since early boyhood together, came up from Wales to seek their fortune, at the same time as another lad came—whence I know not—for the same purpose. The last-mentioned was Charles Umney, the father of my friend John, who has just passed away, and the other two were Thomas Howell Williams (now Thomas Howell Williams Idris) and my father, William Perkes Parry. These three were brought together under the roof of "No. 40" Aldersgate Street, in the historic house of Herrings & Co. They all took to pharmacy and worked together long enough before they parted—each to go his own way—for a life-long friendship to have grown up among the three. I met John Charles Umney with his father as quite a lad, and for more than thirty years we kept up a close friendship, which we had inherited from our fathers, and which we had agreed might well descend to the sons for the third generation if they should elect to adopt their fathers' calling in life. John Umney's death, although his friends had had several warning notes, comes as a very great personal shock. I do not believe there was any man in the world of pharmacy whose influence had spread to nearly so wide an extent as that of John Umney. He had combined a knowledge of business, pharmacy, and chemistry to so successful an extent that he was sought after—quietly and unostentatiously did he receive those who sought—by leaders in many branches of intellectual thought for his advice and opinion. Added to his knowledge, which had been gathered in a widespread net, there was the fact that John Umney had a heart as large as his body; appeals to his kindness rarely failed, and, if they did, it meant the appeal was a pretty bad one. He once had a dishonest employé, and as his associates knew of the matter they declined to work with the dishonest person. It was a slip rather than systematic theft; John Umney gave him the chance of redeeming himself. He could get more willing service out of men than anyone I knew, nor did he ever forget good service or a kind action. He was always ready to help, and I have had several times to remonstrate with him for giving his services to people who ought to have paid him heavy fees. He hated having to appear in the witness-box, and I well remember when the Chairman of the Select Committee on Patent Medicines upset all calculations by informing the solicitor to the Patent Medicine Section of the London Chamber of Commerce that the Committee would not hear any expert evidence until the trade witnesses had been examined. This, it was felt, would tend to prejudice the case of the patent-medicine owners, as it was most essential that certain scientific evidence should be before the Committee and be appreciated by it before the trade witnesses were examined. As I was the only expert witness to be called, a consultation was held immediately, and I was asked to advise on the situation. I advised that the only remedy was to call John Umney as a nominal trade witness, and when once we had him in the witness-chair, to put all the scientific evidence through him, leaving me to corroborate at the close of the case. I was left to make the necessary arrangements with him, and on seeing him he said he would not come. Jokingly I threatened to have him subpœnaed. He was still obdurate. But on pointing out the great injustice that was being done to a number of patent-medicine dealers of high repute he saw the necessity of it, and at once consented. But even then I had to argue a good deal with him about accepting a fee. If the measure of achievement be a question of hours John Umney's life has been a comparatively short one. If, however, what he has done in that time be the standard, then John Umney has lived long. In writing these few lines I am not offering a complimentary obituary notice; and I say in all earnestness and sincerity that, in spite of his great and well-deserved reputation, only a limited number of his great circle of friends knew the real depth of the man's heart and the real worth of the man. In John Umney the world of pharmacy, chemistry, and commerce has lost a great man. I have lost a very dear friend.

Hetherington.—At 4 Bath Place, Moffat, on October 8, Thomas, younger son of the late Mr. Thomas Hetherington, chemist.

Seaber.—Recently, Mr. Charles William Seaber, chemist and druggist, late manager at the Exmouth branch of Boots, Ltd., aged forty-two.

Wills.

Mr. Francis Fitzjohn, chemist and druggist, Llys Caradog, Coedpoeth, Wrexham, who died on June 24, has left 3,609*l.* 9*s.* 10*d.*

Mr. Adrian John Brown, Rimside, Northfield, Birmingham, brewing chemist, who died on July 2, has left 4,059*l.* 3*s.* 11*d.*, of which 3,855*l.* 17*s.* 5*d.* is net personalty.

Mr. Ernest Frank Strickland, chemist and druggist, 72 Gordon Road, Ealing, London, W., who died at Eastbourne on August 14, aged fifty-one years, left estate of the gross value of 23,924*l.* 2*s.* 1*d.*, with net personalty 22,787*l.* 16*s.* 9*d.* Probate of his will has been granted to his widow, Mrs. Stephanie Kate Strickland, of the same address, and his brother-in-law, Mr. F. H. Angel, and power is reserved to grant probate also to his cousin, Mr. W. G. Duck, chemist, Cardiff. The testator left 10*l.* to each executor, 50*l.* and his household effects to his wife, and he confirmed the gift to her of his life policies for 500*l.* and profits. The residue of his property he left to his wife during widowhood, with remainder to his children, as his wife during widowhood may appoint or equally.

"Bung, 4*d.*"—A contributor points out that some wholesale houses are affixing two labels, respectively inscribed "Jar 2*s.*," "Bung 4*d.*," to stoneware of a certain capacity.

The Cinema and Eye-strain.—The question of eye-strain in cinematograph halls, and the possibilities of lessening its ill-effects, are to be investigated by a Committee representative of the Council of British Ophthalmologists, the Physiological Society, the cinematograph industry, and the London County Council.

Trade Notes.

Rubber Corks.—The Garden City Rubber Co., Letchworth, Herts, call attention to the comparative cheapness of rubber corks. This is a point which chemists will be interested in. Particulars of sizes and prices are given in the firm's advertisement.

Ayrton's drop violet is the newest of the series of drop perfumes which Ayrton, Saunders & Co., Ltd., Liverpool, are placing on the market. The style of package of the drop violet, which retails at 2*s.* 6*d.*, is shown in the company's advertisement in this issue.

"John Bull" Window-dressing Competition.—D. & W. Gibbs, Ltd., City Soapworks, London, E. 1, offer to help chemists who are competing for the "John Bull" window-dressing competition, about which particulars were given last week in the *C. & D.* advertisements. Messrs. Gibbs offer to send window-dressing material to chemists who will make a feature of Gibbs' preparations.

Hood's Sarsaparilla.—In connection with the change in price of the tablet form of Hood's medicine referred to in the announcement of the Proprietary Articles' Trade Association, the proprietors, C. I. Hood & Co., Ltd., Cecil House, Holborn Viaduct, London, E.C., inform us that they will be pleased to supply chemists with the labels bearing the new prices for affixing to packages already in stock.

Quinine and Cinnamon Pulverettes.—The prevalence of a slight epidemic of catarrh or modified influenza again calls attention to the pulverettes of quinine and cinnamon which Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., introduced during the last more serious epidemic. The company are now able to execute all orders, and they ask chemists who desire to stock this remedy to obtain it before the rush occurs.

"Evans' Journal."—No. 8 of Vol. 2, which has just been issued, contains articles on the following subjects: "The Simpler Methods of Bacteriological Technique," "Blood Parasites," "Hormones," "Suprarenal Glands," "The Present Position of the Cancer Problem," "The Vaccine Treatment of Acute Influenza and its Complications," "Points in the Use and Effects of Vaccine Treatment," and "Aspirin." A copy will be sent gratis on application to Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, or 60 Bartholomew Close, London, E.C.

Camwal Fruit-jelly Crystals.—Camwal, Ltd., 52 Queen Victoria Street, London, E.C. 4, are introducing a series of fruit-jelly crystals, which strikes out a new line of household products for sale by chemists. The crystals may be looked upon as a step further than the Camwal fruit-syrups, which are already well known. The crystals are in the form of a dry powder, a packet of which only needs dissolving in a pint of hot water to produce, when cold, a delicately flavoured table jelly. We have tested one of the samples which Camwal, Ltd., sent us, and find that a jelly of the proper consistence is produced.

"Rubberware Sales" is the title of a bulletin issued periodically by the Reliance Rubber Co., Ltd., 212-213 Upper Thames Street, London, E.C. 4. The autumn number gives particulars and portraits of the staff, and a good deal of information about the rubber goods manufactured by the company. We are particularly interested in the Reliance hot-water bottle, which we have inspected carefully. This is a moulded, seamless, red-rubber bottle, made in one size only, with a patent stopper and neck that facilitates filling and prevents leakage. It is a good line for chemists' sale. The makers supply window posters about the Reliance bottle, and blocks for illustrating catalogues and handbills. Hints on window dressing with rubber goods are given in "Rubberware Sales," a copy of which will be sent to any of our readers who apply.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(*From "The Trade-marks Journal," October 8, 1919.*)

"I. P. Co., Limited," on oval device; for all goods (42). By the Irish Packing Co., Ltd., 713 Royal Liver Buildings, Liverpool. 392,644.

"The Dainty," with facsimile signature "George Lamb & Son" ("The Dainty" disclaimed); for all goods (42). By G. Lumb & Son, 85 Ablewell Street, Walsall. 393,143.

"Varalettes"; for beverage materials (42). By A. Bishop, Ltd., 48 Spelman Street, London, E. 1. 393,529. (Associated.)

"John Hamer," facsimile signature; for food substances (42). By J. Hamer, 246 Weaste Lane, Weaste, Manchester. 394,261.

"Bretwalda"; for mineral waters, etc. (44). By G. Hartley & Son, Bexwell Road, Downham Market, Norfolk. 392,750.

"Harvino"; for all goods (44). By H. Vincent, Lion Toffee Mills, Wiggin Street, Birmingham. 393,755. (Associated.)

"Albino"; for goods (47) and for perfumery, etc. (48). By W. Gossage & Sons, Ltd., Widnes. 394,200/1. (Associated.)

"Thura"; for goods (47) and for perfumery, etc. (48). By the Erasmic Co., Ltd., Bank Quay, Warrington. 394,241/2. (Associated.)

"Ilexol"; for toilet preparations (48). By the Ilex Supply Co., Ltd., 252B and 252C Gray's Inn Road, London, W.C. 1. 392,547.

"Leicester" on shield device, including monogram "B. B. Co., Ltd."; for goods (50). By Boston Blacking Co., Ltd., 18 Northampton Square, Leicester. 391,454. (Associated.)

(*From "The Trade-marks Journal," October 15, 1919.*)

"Brazlak"; "Cellak"; for all goods (1). By The Lawrence Chemical Co., Ltd., 5 & 6 St. Dunstan's Hill, London, E.C. 3. 393,547/8.

"Staffallens 1833" under picture of camel mounted on turtle; for chemicals (1 and 2), medicinal chemicals (3), goods (4), essences, etc. (43), and for perfumery, etc. (48). By Stafford Allen & Sons, Ltd., 7 Cowper Street, Finsbury, London, E.C. 2. 392,291/2/3/4/6/8. (Associated.)

"Summit"; for goods (1). By Kenilworth Manufacturing Co., Ltd., 8 Finsbury Square, London, E.C. 2. 393,551.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first hand suppliers of the undermentioned articles will be appreciated

57/69. Sanitary Wood Wool Co.'s specialties: supply.
57/68. "Chipiro" used in the treatment of dysentery.
48/16. "Interval" antitetanus serum (vety.).
59/67. "Motorists' Liquid Soap
58/24. "Pelladine."
54/49. Lockwood's hair-restorer.
54/59. "Holdmore" truss.
58/23. Sinclair's Caffein.
58/25. "Hoestine."
58/25. Zinkpyn's Specific.
58/25. Lomax Health Syrup.
58/25. Manfred's Headache Powders.
53/37. Underwood's Aceto-quinine tablets.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C. 4:

Alum, 56/14.
Aluminium Boxes, 55/55
Boracic Socks. 53/34
"Bromo" toilet paper: agents, 57/70
Caliper gauges, 57/36
"Dekko" glare glasses, 56/64
"Eczederm," 56/46
"Fairy" dyes, 44/71
Gallic Acid, 53/38
"Glycogen," 53/33
Hen Yolk, 56/14
"Lactogen," 56/13
"Litholyst," 57/73
Novarsenobenzol, 55/56
Lloyd's Areca Nut Tooth-paste, 45/71
"Mason Pearson" hair-brushes, 51/48
Paget photographic plates, etc., 55/65
Parker Pray's specialties, 57/24
Pape's Diapepsin, 53/21
Polyglandin capsules, 56/15
Potass. Permang., 56/14
Quicksilver, 56/14
Sodii carb. exsicc., 56/16
Spatulas (metal), 53/72
Splints (wooden), 52/22
Thymol, 53/32

Observations and Reflections.

By Xrayser II.

Profiteering Proceedings

of a character so trumpery as almost to come under the head of vexatious actions have already been taken against chemists as well as other retailers. It is clear that none of us is safe from similar annoyance, and it behoves us all to walk warily. It will be well always to explain at the time of sale any considerable advance in price or other apparent anomaly that might with any show of reason be made the occasion of such action, and to keep closely in touch with our neighbours as regards prices. There is too, it seems to me, room for uneasiness as to the meaning of a phrase quoted by you from the Profiteering Act. What is meant by "persons in the same way of business"? In our case it should mean registered chemists and druggists only, but is it certain to be so understood by a local Tribunal? May it not be argued that all who sell drugs are in the same way of business, a contention that would reduce us, most unjustly, to the level of the grocer and other unqualified dealers? The composition of these Tribunals leaves much to be desired. There is no guarantee of their competence to decide such nice questions as are certain to arise where drugs and chemicals are concerned, and they may even be influenced by persons who are bent on the elimination of the private individual from trade. This is a small point, but the question of competence is anything but a small one. To demand that there should be a chemist on every Tribunal would perhaps be unreasonable, for there might be but one chemist in the area affected, but some expert opinion ought to be available for the Tribunal's guidance.

The Liverpool Profiteering Committee

is said to favour the suggestion that 33⅓ per cent. is a fair rate of profit on drugs. Whether this is to be reckoned on cost or rate of sale I do not know, nor whether anything above it is to be regarded as profiteering; but in any case it is enough to give us pause, as indeed any suggestion of a uniform rate would be, considering the almost infinitely varying conditions that have in our business to be taken into account. In Mr. Philip's "Standard" Retail Price List there is no attempt made to fix a uniform rate; the profit he allows varies according to the character of the drug, the frequency with which it is demanded, the quantity sold, etc.; and in addition to these considerations (which apply everywhere) there are local circumstances to be reckoned with before an equitable rate can be fixed for any single article. Attempting an average of the rates Mr. Philip allows (though this is really an absurd thing to do) I find that it works out at something like 50 per cent. on costs, on sales in pound quantities; but the bulk of our sales are in quantities of a few ounces or of less than an ounce, on which of course the profit is a little more. Magn. carb. levis, for example, he prices at 2*s.* 4*d.* per pound, and at 2½*d.* per ounce. So much for the simpler drugs. When we come to the more elaborate preparations the problem is even more complicated, and is emphatically not one that can be trusted to a committee of outsiders. Some such list as that of Mr. Philip would be the only equitable guide, and it must be remembered that the profit he allows is virtually a pre-war profit. Our profits are our wages, and if the workman's wages are raised ours must also.

The September Drug Tariff

did not reach me till late in the first week of October. The delay is not a matter of great importance, but it gives legitimate ground for complaint; and it is not accounted for by the strike. A neighbour tells me that throughout the month he has been charging bottles a halfpenny less than he now finds he was entitled to, a fact which, though the actual loss may be small, is sufficiently annoying. He also points out several quotations in this belated tariff that operate very unfairly against him. He instances extract of malt and malt-and-oil. These are quoted respectively at 1*s.* 1*d.* and 1*s.* 4*d.* a pound, which with the dispensing-fee gives him only 1*s.* 4*d.* and 1*s.* 7*d.*, prices at which the only brands accepted in this neighbourhood cannot be dispensed without actual loss. No doubt both articles might be bought for less in bulk, but not at so much less as would pay for handling them. Moreover, his customers will not have them except in the original bottles, and it would not only not be worth while to buy in bulk so comparatively small a quantity as would be required for panel patients, but were this done those very patients would kick against being supplied with what they would naturally regard as an inferior article. These are nice points, but they are far from negligible; and it would not be difficult to multiply instances of a similar kind.

Mr. Mackenzie's Argument

for a Federation entirely independent of the Society is unanswerable. The Society demands that no Association with which it is connected shall meddle with any matter which is dealt with by its own Council. Nobody knows what that means, the Council's dealings being secret. In effect, however, it would probably amount to the forbiddance of any action the Council did not like. As soon as the Association began to move in any matter the Council would only have to take it up and the veto would operate automatically. If it is said that such a course would be beneath the Council the answer is that recent events have shown us that nothing is beneath the Council that enables it to keep power in its own hands.

The Strike

has made one thing plain: The cost of living will not be appreciably less than it is now for the next twelve months. Indeed, it will in all likelihood increase, for the measure of success which the railwaymen have achieved will indubitably stiffen the general demand for higher wages, and labour is the first charge upon production. We must bear these facts in mind in making arrangements with the Government for our next year's Insurance dispensing. We, no less than the railway employé, ought to be as well paid relatively to the cost of living as we were before the war; but most emphatically we are not, and shall not be unless we make a firm stand. The larger question of raising prices all round must also be reconsidered in the light of the revelations that have recently been made. We know now more definitely than hitherto what we have to expect as regards both business and private expenses, and we must act upon our knowledge.

Sir William Glyn-Jones

in his address at Rhyl seems to have fought shy of all the more controversial subjects that have been or still are agitating us, and in this he showed his usual astuteness. But the meeting, though it accorded him the "ovation" which on his native heath he had perhaps a right to expect, apparently ignored in its turn the topics on which he discoursed, and gave all its attention to federation. If this was indeed so, Sir William's audience was as astute as he. We cannot bring any effective influence to bear on the present Council, which has shown that it will take its own way in spite of us; but we can organise our forces for future action, and local federation is the most immediate step we can take to that end. Not only will such federations have a more persuasive power than single associations, but the advantages accruing from them will assuredly demonstrate in time the still greater advantage of a federation embracing the whole country.

The "Blind Alley" Bogey

is, it seems, put forward in Switzerland, as well as here, in opposition to the creation of a class of assistant pharmacists. It is nothing more than a bogey, and it is one of the most discreditable of its class. The granting of the ship's mate certificate does not prevent its holder from qualifying as master; it is only a step on the way, and there is no real reason to suppose it would be otherwise with the assistant pharmacist. The analogy drawn between him and the apothecary's assistant and his claim to registration as full pharmacist is a false one.

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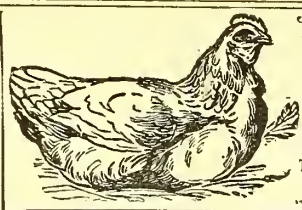
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An announcement of particular interest to you appears in this issue on page xxiii

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LIQUORS

Editorial Articles.

A Perfect Pharmacist.

As briefly announced last week, Mr. John Charles Umney, Ph.C., died on October 9 after being in failing health for some months. In another part of this issue we give particulars of his career and of his remarkable versatility. He was equally adept in scientific and trade matters connected with the chemical- and drug-trade, and has made a reputation which any pharmacist may envy. Mr. Umney was the son of Mr. Charles Umney, a well-known chemist, and in the difficult feat of creating an independent reputation he succeeded splendidly. When he was President of the British Pharmaceutical Conference in the Jubilee Year (1913), we endeavoured to catalogue the chief contributions he had made to chemical and pharmaceutical literature, and found at that time that there were about a hundred important papers to his credit. The subjects were varied, but mostly concerned vegetable drugs and essential oils—acknowledged to be the most difficult matters for research work. His special study, however, was essential oils, and he was one of the chief experts in London on this subject. The "Perfumery and Essential Oil Record" was founded by him in 1910 as an outlet for his numerous observations on essential oils and cognate subjects. As a director of Wright, Layman & Umney, Ltd., Mr. J. C. Umney had ample scope for the exercise of his commercial gifts, and it was always the wonder of his friends how he found time to carry on his numerous activities. One was always sure of a welcome from him, and Mr. Umney was never too much occupied to interview anyone who desired to see him. The British Pharmaceutical Conference in 1913 marks probably the zenith of his career, as, unfortunately,

soon afterwards, symptoms of the heart trouble to which his death was due began to show themselves. Those who were at the Conference will always remember his facile tongue, pleasant intonation, and happy smile which made him at once a friend of all. For the last two years he has made a brave struggle against his fatal illness, and occasionally improvements gave hopes that the end might be delayed for some years. The saddest feature was perhaps the knowledge that his career of work was cut short with some of his ambitions unrealised. Pharmacy will miss him sadly, as the workers in his particular researches are few. There is, however, the satisfaction that his name will always be remembered in the drug-trade from the useful original work on drugs he has carried out and the organisations he has helped to place on a firm basis.

September Overseas Trade.

The Board of Trade Returns for September do not make so satisfactory a snowing as was the case in August, this being probably due to the railwaymen's strike and other labour troubles, which temporarily checked our exports. The total imports for the month amounted to 148,625,000*l.*, which compares with 148,832,000*l.* for August and 97,996,000*l.* in September last year, while the exports of British produce and manufactures amounted to 66,500,000*l.*, compared with 74,773,000*l.* in August and 40,152,000*l.* a year ago. The re-exports of foreign and colonial merchandise show an increase of 15,749,000*l.*, compared with 15,311,000*l.* in August. Both these groups of figures are, of course, considerably more than those of a year ago, when the war was on the wane. Progress in the transhipment trade had been rapid since the Armistice was signed, but it appeared to receive a check last month. On the import side of the account, food, drink, and tobacco purchases increased by 17,827,000*l.*, raw materials and articles mainly manufactured by 30,419,000*l.*, and manufactured goods by 2,657,000*l.* Oil seeds, nuts, oils, fats, and gums show the substantial increase of 5,877,000*l.*, attaining 16,307,000*l.*, a large proportion of the expansion being due to linseed alone, the imports of which from the Argentine Republic and the British East Indies reached over four millions sterling; cotton and rape seed were also imported in larger quantities. About forty million gallons less of petroleum was brought in, but resin and tallow show a big increase of 238,000 cwt. and 127,250 cwt. respectively. Our imports of chemicals, drugs, and allied produce fell off by 1,410,000*l.*, compared with September last year, whereas the decline in August was 2,451,000*l.* The total imports of this group were valued at 2,125,000*l.*, and the chief movements include a big decline in unenumerated chemicals, including acetate of lime, acetone, ammonia muriate, and sulphuric acid, this group being valued at only 135,600*l.*, compared with 2,209,000*l.* a year ago. Potash compounds (with the exception of saltpetre, not now so requisite) came in fairly freely, imports being valued at 145,000*l.* Sulphur continues to fall away, and the receipts so far this year have been about one-quarter those of September last year. The value of imported drugs continues to advance, last month's receipts being 294,000*l.*, against 199,000*l.* a year ago. And there was a marked improvement in tartaric acid, imports attaining 2,189 cwt., and the receipts of quinine, given in detail in our Trade Report, were also much larger. On the export side of the Returns there was an increase as compared with last year of 1,876,000*l.* in food and similar products, also one of 6,700,000*l.* in raw materials, while in manufactured goods 18,087,000*l.* more was sent abroad as compared with last year. The chemicals, drugs, dyes, and colour figures are as follows:

	1917	1918	1919
	£	£	£
September ...	1,944,337	1,758,687	2,075,842
Jan.-Sept. ...	17,535,753	16,728,572	20,847,079

It is apparent that business in this group is being well maintained, the September increase being 317,155*l.*, in spite of a big decline in coal products not dyes, which fell to 146,184*l.* The medicine section improved from 255,821*l.* to 322,514*l.*, and on the nine months' working we have the following figures:

	1917	1918	1919
September ...	244,860	235,821	322,514
Jan.-Sept ...	2,465,955	2,338,863	3,214,314

Continued progress is noted among exports of painters' colours and material, white lead being the most active in this group. Should there be some relief in the congestion at the docks, it would not be surprising to see a further revival in exports, as the holding up of vessels in port is undoubtedly restricting business.

The Quicksilver Market.

Four reductions have been made in the price of quicksilver in about six weeks, the latest being on Tuesday, when importers brought down their quotations to 15*l.* 10*s.* per bottle in large quantities, this comparing with 24*l.* to 24*l.* 10*s.* on September 18. On the following day, however, as the result of a revival in demand, there was a recovery of 1*l.* per bottle to 16*l.* 10*s.* for Spanish in first hands, but at the same time the market is very unsettled, and opinions vary as to the immediate outlook. The more pressing offers of Italian quicksilver and the much larger consignments made to this country from the chief European producing countries since the end of August have no doubt induced the leading firm to find an outlet for its surplus. Presumably those consumers who bought largely near the top prices when the export demand was brisk some time back feel rather sore, and this would explain the highly unsettled conditions now prevalent. A glance at the Board of Trade Returns for last month, moreover, reveal the fact that the imports were very heavy at close upon 6,000 bottles, this making an aggregate of 33,663 bottles for the nine months, which is two and a-half times as much as for the corresponding period of last year. The monthly average imported within the nine months (January-September) represents 3,740 bottles, so that this average was exceeded during September by 2,260 bottles. So far as can be traced by the imports this month, further fair-sized quantities have been received, including Italian quicksilver, and there is undoubtedly a considerable unsold stock available. Considering that the price has already collapsed by as much as 9*l.* a bottle from the abnormally inflated level established last summer, there seems no little uncertainty as to future market movements. For the moment the demand for important lots is certainly backward, but business is by no means at a standstill. Some brokers and dealers appear to be doing a fair amount of trading, chiefly in small lots. People who held aloof as much as possible when the price was very high are now naturally more disposed to look round for parcels. Some people appear to take the view that the market is not very far from touching the bottom, and, should the export demand revive, controlling forces might reassert themselves and thus make for a renewed advance. The big fall will tend to render an important recovery in the American production a more remote possibility. At the same time, it is probable that American trade requirements may call for further important importations either from Italy or Spain, in which case the market would develop more staying power. It also remains to be seen what will happen in regard to the proposed establishment of a monopoly by the Italian Government, to which we referred recently. Such a monopoly would probably lead to the systematic concentration of the Italian supply (including that secured from the territories acquired from Austria) into the hands of those prominent interests who have been identified for a long time past with the disposal of the Spanish production. The whole situation in quicksilver has aroused very keen interest on this side and across the Atlantic, and developments should be watched closely. The following is the situation in the United States, as described by the "Oil, Paint, and Drug Reporter" in its issue of September 29:

An arrival of 600 flasks of metal was noted in the middle of the week. Of the landing, 500 flasks came from Genoa consigned to the Italian Government officials in this country. It was stated that the 500 flasks were taken up by a selling

factor on spot who has offered fractional quantities of the total at $103 per flask in one instance, and, according to rumour, at $102 in others. The agent states that a portion of the landing has been sold and now quoted $110. Bids have been submitted at $100 per flask, but at late notice had not been accepted. Apparently the arrival served to lower buyers' views considerably, and trade quieted down despite the fact that a claim was put out to the effect that a majority of the 500 flasks had been sold into consumption. Factors who have been reporting little or no metal for sale have offered more freely. Sales went through on single flasks at $105 and a moderate business was effected at this rate. At the close of the period $105 to $110 per flask represented the market on spot.

In view of the above, it is interesting to note that our New York cable (p. 67) notifies a reduction to $85—a reduction of over $15 per bottle. The British makers of mercurials have not yet lowered their prices in accordance with the latest reduction, preferring to wait more settled conditions.

Training Grants.

There has been a great demand among ex-Service men for training in pharmacy. The Grants Board has up to date made 1,539 grants, 120 for ex-officers and 1,419 for other ranks, and the applications are still rolling in. We understand that in a number of cases the amounts recommended by the Interviewing Boards have been considerably reduced, the actual grant only being announced at the last moment. This has caused some inconvenience, as also has the delay in making the payment. We have had several letters dealing with these matters, and our advice is that if any student should find himself stranded with an insufficient maintenance allowance, he should appeal to the Appointments Department, from which the grant was recommended, stating the facts of the case, and asking for a review of the grant. In some cases, on the other hand, the original amount asked for was too small, the candidate thinking he would be placed at a school in his own town, and would thus have been able to live more cheaply. One applicant we heard from recently informed us that he had not taken into account the cost of railway travelling to the school of pharmacy. Facts such as this should be pointed out in the letter asking for a revision of the grant.

Politics and Pharmacy.

In The Chemist and Druggist, September 20, 1919, p. 60, we referred to the regrettable tension created between Belgian and Dutch pharmacists in consequence of the telegram sent by the Nationale Pharmaceutique of Belgium to the Belgian delegates in Paris, urging the latter to adhere to the fulfilment of the well-known Belgian demands. Our Belgian *confrères* apparently fear that we do not fully appreciate how deeply they feel on this question, and we hasten to assure them that in this they are mistaken. They will find in The Chemist and Druggist a faithful record of the martyrdom of Belgian pharmacists, which will remain a glorious page in the chronicles of the profession and a lasting shame to the perpetrators of this aspect of "Kultur." They remind us that in addition to the loss of life and money which all belligerents have suffered, they have experienced other atrocities: the invasion of their country, murders and violations, homes burnt down, the iron hand of the enemy in occupation of the country during four years, deportations to Germany of the inhabitants, cruel and complete separation of the members of hundreds of thousands of families without any means of intercourse, the destruction of their industry, and the complete devastation of a portion of the country. Having personally experienced these sufferings, the Nationale Pharmaceutique, in common with other professional bodies, felt impelled to give expression to the general demand for what is considered to be a necessary guarantee for the future safety of the country. The Dutch pharmacists, who had collected 14,000 florins, which they had intended as a loan to their Belgian brethren victims of the war, in consequence of the step taken by the Nationale Pharmaceutique, now intend retaining this fund, but "neither Belgium nor the Belgians are for sale. If this had been the case they would not have thrown themselves fearlessly in front of the German beast, and thus disturbed it in its promenade towards Paris, Calais, and heaven knows where. . . ." At the head of its official notepaper the Nationale Pharmaceutique prints, within a border of black, yellow, and red, the names and addresses of nine Belgian pharmacists who were murdered before the eyes of their wives and children by the Germans in August 1914, and beneath the list are the words "Let Us Never Forget It." In regard to the Dutch fund referred to above the "Pharm. Weekblad" of October 4 gives the text of the letter that has been sent to the Nationale Pharmaceutique in Brussels, which contains the following statement:

The moneys which have been sent to us from America, Sweden, and Switzerland on behalf of the Belgian pharmacists have been placed at the disposal of the corresponding member of our Society, Dr. P. W. A. Schamelhout, leaving it to him to make use of these moneys in the most desirable manner.

Prices on Outers.

We referred last week to the fact that some proprietary articles bear prices which are lower than those at which the goods are required to be sold according to present cost. A correspondent, in calling attention to the matter, encloses the following list:

—	Price Printed on Carton or Wrapper	Present Selling Price	
Peralia	1 0	1 3	
Omega Oil	2 9	3 0	P.A.T.A.
Savory & Moore's Food	1 2	1 4	P.A.T.A.
Warner's "Safe" Pills	1 1½	1 3	P.A.T.A.
Fellows' Syrup	4 6	4 9	
Sequah's Oil	1 1⅓	1 3	
,, ,, ...	2 3	2 6	
,, Prairie Flower ...	1 1½	1 3	
,, ,, ,, ...	2 3	2 6	
Dodd's Kidney Pills	1 1½	1 3	
Rodine	0 6	0 7½	P.A.T.A.
,, ...	1 0	1 3	P.A.T.A.
Phillip's Milk of Magnesia ...	1 0	1 3	P.A.T.A.
,, ,, ,, ...	2 3	2 6	
Emerson's Bromo Seltzer ...	2 3	2 6	P.A.T.A.
Calvert's No. 5 Carbolic Acid...	1 6	1 9	
,, ,, 5 ,, ...	1 0	1 1½	
Neave's Health Diet	1 2	2 0	
,, ,, ,, ...	3 6	6 0	
Atkinson's & Barker's R. Infant's Preservative	1 1½	1 3	
Vetarzo Blood Medicine ...	2 9	3 0	
,, Brain and Nerve Food.	2 9	3 0	
Jeyes' Fluid	0 7½	0 9	
Marmite 2 oz.	0 8½	0 10	
,, 4 oz.	1 3½	1 6	
,, 8 oz.	2 3½	2 6	
,, 16 oz.	3 10	4 6	
Coekburn's Pills	2 9	3 0	
Veno's Nasal Tablets	2 9	3 0	
Poor Man's Friend	1 1⅓	1 3	
Fletcher's Bronomalt	4 6	5 0	
Izal Ointment	1 1½	1 3	
Benzine Collas	1 0	1 6	
,, ,, ...	0 6	0 9	
Guy's Fruit Pills	1 1½	1 3	
Iodex	1 1½	1 2	
Veno's Lightning Fluid	2 9	3 0	

Chemists should specially note these articles, in view of the campaign which is commencing under the Profiteering Act. The makers will doubtless readily forward revised price tickets for covering up the discarded prices, or the convenient price tickets supplied by chemists' printers may be used for the purpose.

The Leverkusen Dyestuff Works, formerly F. Bayer & Co., at its general meeting decided to declare a 12 per cent. dividend. The chairman regretted the serious conditions obtaining in Germany and the severe peace terms. He emphasised the necessity for earnest work, and pointed out that competition in Allied and neutral countries was going to be severe.

Pharmaceutical Society of Ireland.

Annual Meeting.

The forty-fourth annual meeting of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on October 6, Mr. James Michie, President of the Society, in the chair.

The following members were present : Mr. G. D. Beggs, J.P. (Treasurer), Dr. A. J. Barnes, Dr. J. C. McWalter, Dr. J. A. Walsh, Dr. J. S. Ashe, Messrs. W. F. Wells, A Owen Wells, H. Lancashire, J.P., G. A. McLean Lee, D. M. Watson, Charles E. Digges, Victor E. Hanna, John Smith, D. Warwick, Leopold H. Grubb, D. L. Kirkpatrick, James Duggan, H. Conyngham, W. B. Conyngham, G. H. Miller, E. Montague, James D. Dwyer, J. V. McKeever, W. J. Bateman, Wm. Jones, and Robert Mellin.

The following associate druggists were also present : Messrs. Thos. F. Storey and W. J. Rankin.

Election to the Council.

Mr. Thomas F. Storey, associate druggist, Belfast, objected to the election, as he had not received a voting paper in time.

The Registrar (Mr. A. T. Ferrall) said he was sorry Mr. Storey had not received a voting paper. He received a letter from him on Saturday stating that he had not received one, and he then sent him a paper. If Mr. Storey had let him know sooner he would have had a paper in time.

Mr. Storey said he had received the voting paper that morning.

The President said the postal arrangements had been greatly upset during the latter part of the week.

Mr. Victor E. Hanna said Mr. Storey had no case. He should have written to Mr. Ferrall in time for his paper.

Mr. Lancashire said there was no necessity for any member of the Society to write for his voting paper. According to the Act of Parliament, the voting papers should be in the hands of the members so many days beforehand.

Mr. Storey said it had also happened that on a former occasion he had not received a voting paper.

Mr. Watson said it would be a great pity if Mr. Storey put the Society to the expense of another election.

The President said there was no proof that the voting paper had not been sent out to Mr. Storey. They all regretted very much that he had not got it. If he had received it he did not think it would have changed the result of the ballot. He hoped Mr. Storey would accept their apology.

Mr. Storey asked to how many more might this have happened. He had paid his guinea and had not got his vote, so that he had paid his guinea for nothing.

The President said Mr. Storey was the only one who had made a complaint.

Mr. Storey : I don't wish to force the point now.

The President read the report of the scrutineers of the ballot as follows :

We, the scrutineers of the ballot, declare the voting to be as follows :

Alfred J. Barnes, L.A.H., Dublin	194	Charles E. Digges	141
John Smith	189		
James Tate	171	*Samuel Suffern*	118
David McWatson	165	*Robert Mellon*	107
Richard Blair	147	*Dr. Walter J. Healy*, L.A.H., Dublin	100
Capt. J. C. McWalter LL.D., M.D., D.P.H.	146		

There were 482 voting papers issued and 270 returned, one of which was spoiled.

G. A. MacLean Lee.
A. Owen Wells.

The President declared the first seven to be duly elected members of the Council for the three ensuing years.

The President's Address.

The President said : Our first feeling on again meeting after another twelve months is one of thankfulness that the Great War, which convulsed practically the whole civilised world for more than four years, has come to a victorious conclusion. We still have difficulties to contend with. A spirit of social unrest seems to have seized the various peoples of the world. This probably is due to a large extent to conditions arising from the war. It is to be hoped that these may soon pass and more settled conditions prevail. Circumstances in pharmacy, in common with every other class of business, have undergone considerable change. Troubles have from time to time arisen when stocks were difficult to procure. These troubles were to a large extent due to depleted stocks held by manufacturers and wholesale houses owing to demands made upon them by the Government and shortage of labour. There have also been very restricted facilities for transport. Notwithstanding these difficulties, the requirements of the public have not been allowed to suffer to any appreciable extent. The cost of drugs and chemicals still continues to be high. There would seem to be no indications of any general reduction in the near future. The greatly increased cost of spirit, which enters largely into many of our preparations, and the increased cost of labour have been responsible for much of the increase. Owing to the changed conditions, hours of business generally have been shortened. There was room for improvement in this respect, and I think this may prove a step in the right direction, especially if carried out with as little inconvenience to the public as possible. I think the public are now getting quite reconciled to the changed conditions of life. It therefore remains for each one of us to adapt ourselves to the prevailing conditions. After years of patient endeavour your Council has, during the year, received from the War Office recognition for licentiates of the Society as compounders in the Army. It has taken about five years of agitation to secure this concession, which is by no means all we would desire, but it is so much to the good. Your Council will, no doubt, continue to press their claim for further recognition when they consider the moment opportune. Until pharmacy is emancipated from the domination of the medical profession in the Army its sphere of usefulness must remain restricted. Demobilisation of pharmaceutical students who have served with the Forces, and who desire to resume their studies, has raised certain problems. One is the case of those who have not yet passed a Preliminary examination, although they had at the time of enlisting served a term at pharmacy. The Council felt that to require such men to serve a further term after passing the Preliminary examination would be a serious obstacle in the way of their resettlement. To obviate this a new regulation has been made, with the approval of the Lord-Lieutenant and the Privy Council, providing that this condition shall not apply to those who served with the Forces during the period 1914-1919. Grants are being made by the Government to pharmaceutical students who require assistance to complete their studies. With the object of considering and advising on applications for such, district selection committees have been set up in Ireland, and at the invitation of the Ministry of Labour your President and Vice-President have been appointed to represent the Society. Previous to this Councillor Watson represented the Society on an advisory committee to consider applications for the release of pharmaceutical

Mr. James Michie.

chemists or assistants in connection with the Ministry of Labour. There are two selective committees in Ireland—one in Belfast, which looks after the Northern portion; the other in Dublin, which takes the Southern. The general interviewing Board, which deals with pharmaceutical applicants, meets weekly. Approved applicants are recommended a grant for maintenance, in addition to fees, for the necessary period. Reports of illegal selling and compounding continue to reach us from time to time, and the Law Committee have had many anxious moments. Prosecutions cannot be undertaken without money, and during the last few years these costs have been very heavy. Expenses are out of all proportion to fines recovered. To instance one case: expenses over 30*l.*, fine and costs 1*l.* 6*s.* 8*d.* For the year just ended the law costs exceeded 250*l.*, while the fines and costs recovered about equalled the amount received for sale of waste paper. It is the earnest desire of your Council to protect their licentiates in every possible way, but to do so funds are essential. The best remedy I can think of is increased membership. Last year I made an appeal for increased subscribers, and I am pleased to say it met with a very gratifying response. I am sorry to find, however, that many still remain without the fold. On looking over the Register I find only about 25 per cent in the lists subscribe to the Society. Now, I think most of you will agree with me if I say that that is not as it should be. There never has been a time when it was so necessary for everyone on the Register to come forward and join the Society. By doing so they would find it to their own advantage, and at the same time they would strengthen the hands of the Society. In the interests of the Society I therefore again make another appeal, and especially to everyone who is in business.

Statistics.

The President then gave the following statistics as to the Registers, the membership, and the examinations:

Registers.

	1918	1919	
Pharmaceutical Chemists ...	1,068	1,091	+23
Pharmaceutical Assistants ...	205	223	+18
Chemists and Druggists ...	89	89	—
Registered Druggists	639	637	− 2
	2,001	2,040	+39

Subscribers.

	1918	1919	
Members	398	382	−16
Associate Druggists...	53	74	+21
	451	456	+ 5

The Society has lost through death the following subscribers: Sir William Baxter (ex-President), Mr. Thomas R. Connolly, Mr. Daniel Donnelly, Mr. John Brownlow Hay, Mr. James Kiloh, Mr. Jeremiah O'Connor, Mr. James Edward Savage, Sergeant Thomas Sprott, R.A.M.C. Other deaths notified included Messrs. Charles Agnew, Ph.C., James Henry Hegarty, Ph.C., Dr. John A. McQuillan, Ph.C., Morgan A. McSweeney, Ph.C., William Meek, Ph.C., John Murphy, Ph.C., William J. Pedlow, Ph.C., Hamilton H. Burrowes, R.D., William Corbet, R.D., James Curry, R.D., Denis Donohoe, R.D., John L. Farrell, R.D., Thomas E. Gordon, R.D., William Greenfield, R.D., James R. Guest, R.D., David F. Rice, R.D., Joseph Shepherd, R.D.

Examinations.

	1918	1919	
Preliminary—			
Candidates	117	141	+24
,, rejected	63	67	+ 4
,, passed	54	74	+20
,, registered on certificates from other bodies	31	51	+20
Totals	85	125	+40

Ten preliminary candidates, against five last year, passed with honours: Annie Buick, 84½ per cent.; Rosanna Branagan, 79¼ per cent.; Mavis Maxwell, 78½ per cent.; Ellen Martyn, 74¼ per cent.; Agnes Pollock, 73½ per cent.; Edwina Cox and John McGrath, 73¼ per cent.; Gertrude O'Dea, 72½ per cent.; Margaret Gildea, 71 per cent.; and Bridget Buckley, 70¼ per cent.

	1918	1919	
Pharmaceutical Licence—			
Candidates	108	89	+19
,, rejected	56	42	+14
,, passed	52	47	+ 5

The undermentioned candidates passed with honours: John T. Nicholl, 85⅔ per cent.; Robert W. Laird, 73⅔ per cent.; Eugene Egan and Denis J. Kavanagh, 73 per cent.; James H. Getty, 71⅓ per cent.; Arthur E. Dickson, 70⅓ per cent.; Patrick Kieran, 70 per cent.—seven, against nineteen during the previous year.

	1918	1919	
Pharmaceutical Assistant—			
Candidates	15	15	—
,, rejected	6	4	− 2
,, passed	9	11	+ 2
,, rejected at the Final Examination, but who obtained passing marks in Oral Materia Medica and Pharmacy	7	7	—
	16	18	+ 2

	1918	1919	
Registered Druggist—			
Candidates	28	26	− 2
,, rejected	14	15	+ 1
,, passed	14	11	− 3

Continuing, the President referred to the co-option of Mr. Wm. Doig to a seat on the Council, which became vacant owing to the death of Sir Wm. J. Baxter, D.L. Among the activities of the Law Committee were the prosecution of three limited companies for keeping open shop without qualified managers. In order to avoid the question being raised as to a limited company not being a "person," the summonses were issued under Section 17 of the Pharmacy Act (Ireland) Amendment Act, 1890. In one case the company appealed, but the King's Bench decided in favour of the Society. An interesting case was that of a pharmaceutical chemist who was prosecuted for the fourth time in respect to a branch carried on for a considerable time without a qualified manager. The last case against him was for non-reply to a statutory letter; he was fined 18*l.*, with 1*l.* costs. The only change in the examiners during the year is that Dr. E. Harnett Murphy, B.A., M.B., has been appointed a Preliminary Examiner in place of Dr. R. S. Conyngham, M.A., M.P.S.I. No change has taken place in the *personnel* of the teaching staff. No prizes were awarded in either the theoretical chemistry or practical chemistry classes during the year. The following prizes were awarded to the materia medica class: First prize, Joseph Molony, 95 per cent.; second prize, Wm. Joseph Redmond, 90 per cent. Botany class: First prize, Wm. Joseph Redmond, 78 per cent.; second prize, William Gallaugher, 75 per cent.

Concluding, the President said: I have to express my thanks to our worthy Registrar for the able assistance which he has afforded me during the year. Presidents and Councillors come and go, but the Registrar remains and he seems to increase in knowledge every year. Without him it would be very hard for any President to keep hold of the details necessary for carrying on the business of the Society. I thank him very sincerely for the able assistance that he has rendered me during the year. (Applause.)

The Accounts.

Mr. Beggs, J.P. (Treasurer), submitted the accounts. He said they had started with a balance of 113*l.* and they had concluded with a balance of only 40*l.* odd. This had been caused by the cost of printing. Their fees, he was glad to say, had increased from 561*l.* to 721*l.* In 1918 they had paid 278*l.* in fees to examiners, this year they had paid 266*l.*; their subscriptions last year amounted to 400*l.*, this year they were 447*l.* 6*s.* The fines and costs received during the year amounted to 47 10*s.* 8*d.* To get that 47 10*s.* 8*d.* they had spent 320*l.* odd. The sooner they shut up the law business the better. His idea all along had been—and he had

advocated it from year to year—that they should get their cases for prosecution throughout the country, tabulate them, send them to Dublin Castle, and say to the Dublin Castle authorities: "Those are the breaches of the law. Do your duty. You have given us an Act of Parliament, but you have not given us a penny to carry it through." If there was an old huckster in the country who sold a pennyworth of snuff without being registered the authorities came down pretty smartly on her, and she was fined anything up to 20*l.*, and there was no reduction in the fine. But when the Pharmaceutical Society secured a fine of 5*l.* a requisition was sent to Dublin Castle asking that it should be reduced, and in seven cases out of ten it was reduced. He thought it was monstrous, but they had to submit to it. Each year their law expenses increased, but they did not get an increased return, and, consequently, the balance with which they had started the year had been almost wiped out. Up to the present they had not drawn on any of their capital. Unless there is a considerable increase in their membership he did not think they would be able to spend much on law.

Mr. H. Conyngham said he quite agreed that it was utterly impossible for the Pharmaceutical Society to continue to use their money in law, and that the only things was to do as Mr. Beggs suggested.

Mr. W. B. Conyngham said that last year the Society had spent 96*l.* in law and they had received 94*l.* 3*s.* 8*d.*, which was a very fair return for their money. This year they seemed to be beating the air. The only person they had got a fine from was one of their own licentiates. They had been successful in proceedings against two companies, but they had emerged from the law proceedings without very much kudos. He called attention to the inadequate salary received by the Registrar, to the value of whose services to the Society he referred.

On the motion of Mr. Conyngham, seconded by Mr. Grubb, the accounts were adopted.

The Schools.

Mr. Beggs also presented the accounts of the schools, and on the motion of Mr. H. Conyngham, seconded by Mr. Kirkpatrick, they were adopted.

The President said they had started with over fifty students this year, a good sign for the coming year.

New Councillor Welcomed.

The President said he saw a new member of the Council present. He offered a very hearty welcome to their newly elected member, Captain McWalter. (Applause.)

Dr. McWalter: I thank you very much, gentlemen.

Discussion.

Mr. Storey said he was considerably disappointed that the nominee of the chemists and druggists had not been returned at this election. They had had some hope last year that they would have the support of the Dublin chemists. They, as chemists and druggists, were in a peculiar position. They were entitled to seven seats on the Council. They had nominated Mr. Suffern this year, and he had been defeated. The financial report and the address of the President showed some peculiar figures. Out of 1,091 pharmacists they had only 382 members of the Society, and out of 637 registered druggists they had only 74 associate druggists. Two and a-half years ago they had ten associate druggists; and he took to himself the credit of having added to that number. At a meeting of the Chemists' and Druggists' Society of Ireland the question was discussed, and he urged them to become associate druggists; and he was helped by pharmaceutical chemists. Why was it that these men did not take an interest in the Society? It was because they looked upon it as a Dublin Society entirely. Men in the provinces did not take any interest in it. Was it not possible to have their annual meeting one year in Dublin, another in Belfast, another in Limerick, and another year in Cork? Let them give the members some interest in the Society. They had no interest at present. The registered druggists should be done away with. In any town men could apply to the Council and get a licence to sell agricultural poisons; and the Pharmaceutical Society had not been able to prevent that. That was a sore grievance. There were also a great number of grocers in the country who sold drugs apart from poisons. The Council seemed to have got away from the chemists and the associate druggists, and to have become an amateur medical council instead of taking an interest in the trade affairs of the chemists and druggists and the pharmaceutical chemists. There was no direct nominee of the Chemists' and Druggists' Society of Ireland on the Council, though there were a few registered druggists on the Council.

Mr. Lancashire, J.P., expressed his deep regret that Mr. Suffern had not been elected a member of the Council. He had been defeated last year, and he had also been defeated when he (Mr. Lancashire) had proposed him for co-option. He had fully explained that Mr. Suffern was the nominee of the chemists and druggists and the registered druggists, who had full confidence in him. He had the support of 99 per cent. of his colleagues in the North. He had hoped that his defeat of last year would have been repaired this year, but, unfortunately, it had not been. He knew the feeling of the chemists and druggists and the associate druggists in the North, and they had repeatedly expressed it to him. They said: "Why should we join a Society and become subscribing members of a Society which, on all occasions when the opportunity of doing so occurs, refuses to extend the right hand of friendship to us?" He (Mr. Lancashire), personally, did not agree with them in everything, but they must realise that their opinions had to be considered. The members of the Council should never forget that they were the servants of the members and the associates and not the dictators, and it should be their aim and object on all occasions to try to represent the members collectively. It should be their aim to try to enlist sympathy and remove any hostile feeling and probable misunderstanding entertained by many who were non subscribers to the Society at present. He (Mr. Lancashire) was trying to do all he could. He knew, too, that Mr. Storey and Mr. Rankin were doing all they could to get chemists and druggists to become subscribing members of the Society.

Mr. H. Conyngham said he had one remedy that would settle the whole question: Get the men in the North of Ireland to become associates and let them come down in their thousands and sweep all the pharmaceutical chemists out. If they liked, they would get seven seats on the Council straight away. Let the rich men in the North of Ireland put their hands in their pockets and pay for the poor men of the country. (Laughter.) The Society had been established not for business purposes, but for education. Unfortunately, they had spent so much of their money in law that they had nothing for themselves.

Mr. Beggs said he would be pleased to see the seven seats to which the chemists and druggists were entitled filled by them. But how were the Council to do it? There was no pressure put on any man as to whom he was to vote for, and unless the men in the North who wanted these men on the Council came and voted for them he did not see how a change was to be made.

Dr. McWalter said he felt their friends in the North had rather a grievance; and he did not like to see them with any grievance which their colleagues would not remove.

The President said that according to the Act of Parliament they should hold annual meetings in Dublin. Some years ago it was proposed that they should hold them alternately in Cork and Belfast, and they came to the conclusion that they could not do it.

Mr. Watson said the meeting must be held in the official quarters of the Society.

Dr. McWalter suggested that if a vacancy occurred the Council might take into consideration the possibility of co-opting Mr. Suffern.

The President said that on the occasion of the last vacancy a druggist from the North of Ireland was co-opted in the place of a pharmaceutical chemist.

Mr. Kirkpatrick said the two associate druggists at present on the Council were men engaged in the wholesale trade. They had no representative on the Council engaged in the retail trade.

Mr. W. F. Wells said he quite agreed that there ought to be more registered druggists on the Council. When the Amendment Act of 1890 was before Parliament it was agreed that the druggists were to have seven representatives—one-third of the Council—if they subscribed the money to put on the seven. Mr. Storey had told them that last year they had twenty-five or twenty-seven registered druggists subscribing to the Society, and yet they had two registered druggists on the Council for many years past. If the druggists would not come forward in greater numbers to support the Society, he did not see why they should be asked to put seven members on the Council. He would ask the druggists to increase their membership to a greater extent. Mr. Storey had stated that he got nothing but a vote for his guinea. He got The Chemist and Druggist and the privilege of coming to the annual meeting and of voting for members of the Council.

Mr. Storey said the Chemists' and Druggists' Society of Ireland issued a copy of The Chemist and Druggist to all its members.

Mr. W. F. Wells said Mr. Storey had spoken as if the Pharmaceutical Council were responsible for the passing of the Poisons and Pharmacy Act, 1908. What was the fact? For three years the President and some other members of the Council had spent a good deal of time in London, and for two years they had kept that Bill blocked, and it could not be proceeded with. On the third year the English Society said they wanted an amending Act, and the Irish Society were not able to stand against it; and the Bill was passed. The representatives of the Irish Pharmaceutical Council fought as best they knew how to stop that infamous Bill, and yet it was passed. Sir T. W. Russell was the man to blame for that Bill, because he went into the House of Commons after having given certain assurances to the representatives of the Society, and he did his best to run that Bill through, and he was largely responsible for the fact that it did get through. He said they could trust the members of the County Councils to do what was right. The representatives of the Society said they would not trust them, and that they would like a definite provision in the Act that a licence should not be given a certain distance from a town in which there was a chemist's shop. Sir T. W. Russell approved of that principle; but when he gave evidence before the Select Committee he said he thought they could depend upon the County Councils, and that Dublin, Belfast, and some other places would not require those licences. It was not fair that the Council of the Pharmaceutical Society should be blamed in any way for that Act, because there were three of their past-Presidents present at that meeting who went to London one year after another and did their best to get the Bill blocked. With regard to the publication of the reports of their meetings, there were many things which came before the Council that would not be of interest, and there were many things that they dare not publish. Some of their friends in Belfast were anxious that the examinations should be altered. The Council had twice asked them to give them an idea of what improvements they desired made in the examinations, but up to the present they had not got any hint or any outline from them as to what should be done in the way of improvement. He did not claim that the examinations were perfect, but he did claim that they were a fair test of a man's fitness to become a pharmaceutical chemist. Mr. Storey had spoken about the trade side. He (Mr. Wells) for one was strongly opposed to that. The Society was a statutory body. Their special province was to hold examinations, and they had an educational department also. The Act of Parliament clearly laid down what they were to examine candidates in; and until they got another Act of Parliament they would have to stick to the present one; and there was no use talking about trade questions. He (Mr. Wells) had got a good deal of abuse because he had said at the Council that he thought it was the business of the man who took an apprentice to train him in business matters. He had said also that if the employer trained the apprentice as he ought to be trained they would not have the number of failures at these examinations that they had. He thought it was the men who trained the apprentices who were to blame—he did not say all were to blame. In France it was only those who were licensed by the Government who were allowed to take apprentices. Let the apprentice learn the trade side of the business when he was learning his business. They could not bring it into the Society. Personally, he hoped they would not, because they wanted to remain a professional body. It had been suggested that they should have representatives from the Cork and Belfast technical schools and other centres. These gentlemen would not come from Cork or Belfast without being paid their expenses; and he did not think the heads of technical schools were the men to teach them something about pharmacy. If the Pharmaceutical Council were not competent to make regulations to carry out the Pharmacy Act the sooner they were wiped out the better. They could only work within the four corners of the Act of Parliament.

Mr. W. B. Conyngham suggested the holding of a conference of the chemists of Ireland. They had one thousand pharmaceutical chemists, and there were many interested in the work from the trade point of view; and if there was an annual conference pharmaceutical chemists and chemists and druggists North and South could meet socially and for the exchange of ideas and mutual support.

Mr. Lancashire said if any alterations for good could be made in the examinations it would be wise to make them. The regulations had been made a great number of years ago. In later years everything seemed to have been changed, and they could not remain as they had been some years ago. It had been suggested by the Association in Belfast that a number of outside experts should be called in to confer with a number selected from the members of the Council—the principals of the technical schools in Dublin, Cork, and Belfast had been mentioned—and that they should take the whole of the examinations, and that if after going into them thoroughly and examining the papers set they considered that improvements could be made, then it would be wise to receive their report in a most sympathetic manner. If, in their opinion, the examinations could not be improved upon, then they should remain as they were.

Mr. V. E. Hanna said somebody had remarked that this was a Dublin Society, and he had been thinking why it had been a Dublin Society, because there was a certain amount of truth in the remark. Most of the work of the Society was done by the committees, whose reports were sent forward to the Council and ratified. The most important committee they had was the Law Committee. There were three members from Belfast on the Law Committee, and he thought he was quite correct in saying that they had not attended 1 per cent. of the meetings, if they had attended one at all. He had never met a single man from the North attending one of these meetings. Their expenses were not paid. It was up to the Belfast men to send these members down to the committees. If they did, the Society would be an Irish and not a Dublin Society.

Mr. Rankin said the time had come when more publicity should be given to their meetings. North, South, East, and West seemed to be imbued with the idea that far more information should be given of what transpired at their Council meetings, and at meetings such as that more light should be shed on the subject. The men throughout the country were interested in their doings. Most of their men were intelligent, and took a keen interest in all that was happening. He believed himself that the time had come when the Press ought to be admitted to their meetings. He believed that at the next meeting a notice of motion might be put on to that effect. He believed all the registered druggists who became pharmaceutical chemists should have a star opposite their names in the Register. He would like to help the Society by getting as many as possible of their men to become Associates, and he meant to do it. He was glad that the Society had elected Dr. McWalter on the Council. He

would do honour and credit to everyone who had voted for him.

Dr. Barnes also referred to the question of the publication of the proceedings.

Votes of Thanks.

Mr. Mellon proposed a vote of thanks to the scrutineers, which was seconded by Dr. Barnes, and carried unanimously.

Dr. Ashe proposed a vote of thanks to the President for his conduct in the chair, which was seconded by Mr. Storey, and carried unanimously.

The President suitably acknowledged the vote of thanks. There was, he said, a little misunderstanding with regard to the reports of their proceedings. Matters were discussed at the Council which were not for publication. He thought that the Councillors present knew that the reports published in the Press were true records.

Dr. McWalter proposed a vote of thanks to the Registrar for his admirable conduct in attending to the affairs of the Society. This was seconded by Mr. Conyngham, supported by Mr. Beggs, Mr. McLean Lee, and the President, and carried unanimously.

Mr. Ferrall suitably acknowledged the vote of thanks.

Replying to Mr. W. B. Conyngham, the President said the Council would see to the matter of Mr. Ferrall's salary.

Council-meeting.

At the monthly meeting of the Council, held at 67 Lower Mount Street, Dublin, on October 14, Mr. J. E. Connor, J.P., was elected President of the Society for the ensuing year; Dr. A. J. Barnes was elected Vice-President; Mr. G. D. Beggs, J.P., was re-elected Treasurer; and Messrs. G. A. McLean Lee and Charles E. Digges were re-elected auditors. The Committees were also elected.

Examination Results.

The following are the results of the recent examinations:

Preliminary Examination.—Yelvyette S. Meeke, Belfast; Thomas Meehan, Thurles; Eileen M. Deans, Belfast; Frederick J. Barragry, Kilkenny (Genevieve D'Arcy, Tipperary=Wm. L. Fagan, Mullingar); passed with honours. The following also passed: Eileen M. O'Flaherty, Dublin; Nora McGing, Westport; Thomas C. Reilly, Belfast; Catherine M. Mortell, Dublin; (Annie M. Gailey, Castlederg=Stephen M. Aherne, Monasterevan); Anthony McAllister, Dublin (John Gaw, Dunmurry=Edward T. Godson, Rathcormac); Eileen M. Lawson, Limavady; Harry B. Hatrick, Ardee (Cecil A. Gray, Dundalk=Wm. J. Hillman, Dublin). Sixteen candidates were rejected.

Pharmaceutical Licence Examinations.—(Daniel Sheehan, Ballynoe, co. Cork=John Shiel, Castlecomer): Eugene R. Owen, Youghal; Wm. Power, Cashel; Denis G. Slattery, Dublin; passed with honours. The following also passed: John D. Broderick, Listowel; Kathleen McBride, Armagh; James P. Ryan, Kilkenny; Joseph Molony, Murroe, co. Limerick. Eleven candidates were rejected.

A Case for Investigation.—Much so-called "Henna hair-wash," a correspondent informs us, consists of some vegetable matter masking a mixture of metallic salts (such as copper sulphate) with sodium hyposulphite.

Royal Photographic Society.—The sixty-fourth annual exhibition of the Royal Photographic Society, which opened at 35 Russell Square, London, W.C., on October 11, includes an exhibit of specimens of "grainless" and "filmless" processes, worked out during the war, and shown here in application to peace purposes. The details of these processes are so far kept secret. The grainless are suitable for graticules, line-screen reproductions, micrometers, and fine scales generally, and the filmless photographs are substituted where a film might be liable to danger or a cover glass is inadmissible. Another interesting collection is a series of photomicrographs, prepared by Major Kaye and Dr. Robert Knox, illustrating the value of camera work in aeroplane construction.

Dispensing Charges.

Mr. H. B. Hammond read a paper before the Sheffield Pharmaceutical and Chemical Society (*C. & D.*, September 27, p. 75) in which he advocated a reform in the method of charging for dispensing medicine. A committee was appointed to consider the suggestions made in the paper, and that committee now recommends the following dispensing scale:

The basis of all charges for prescriptions should be:

To the retail price of the ingredients add the price of the container and the price of time and establishment charges. A charge of 4*s.* 6*d.* per hour minimum is calculated to cover time and establishment charges.

The following *minima* are suggested:

(1) No prescription to be dispensed for a less charge than 6*d.*

(2) For prescriptions not requiring compounding the retail price of the drug and container plus a dispensing charge of 6*d.*

(3) Mixtures: 6 oz., 6 doses, 1*s.* 3*d.* to 1*s.* 6*d.*; 12 doses, 1*s.* 6*d.* to 1*s.* 9*d.*; 8 oz., 8 doses, 1*s.* 6*d.* to 1*s.* 9*d.*; 16 doses, 1*s.* 9*d.* to 2*s.* Larger quantities in proportion. For mixtures a minimum dispensing-fee (time and establishment charges) of 9*d.*, and 1*s.* for an emulsion, should be charged.

(4) Pills: a minimum charge to be made for 6 pills, 1*s.*; for 12 pills, 1*s.* 6*d.*; for 24 pills, 2*s.* Larger quantities in proportion.

(5) Powders and cachets as for pills. Cachets 6*d.* per doz. extra. Dusting powders which involve mixing a minimum time and establishment charge of 9*d.*

(6) Tablets: stock tablets—*see* (2). If specially prepared, 6 for 1*s.* 6*d.*, 12 for 2*s.*

(7) Suppositories, minimum, 2*s.* 6*d.* per doz.

(8) Ointments, minimum time and establishment charge of 9*d.*

(9) Eyedrops, minimum, 1*s.* 3*d.*

(10) Lotions and gargles, 6 oz., 1*s.* to 1*s.* 3*d.*; 8 oz., 1*s.* 3*d.* to 1*s.* 6*d.*

For the retail price referred to above the basis suggested is a net list (*e.g.*, B.D.H.) + 100 per cent.

It should be thoroughly understood that the minimum must not be charged where the basis would be greater. The minimum is suggested to prevent any absurd charge of 9*d.* or 10*d.* for mixtures.

The matter of breaking bulk of proprietaries has not been discussed. The difference is too great for a hurried discussion—*e.g.*, there is no comparison between breaking bulk of argyrol for eyedrops and breaking bulk of a proprietary mist. bism. pepsin.

Bankruptcy Report.

Re Ernest Erwin Ferdinand Heesch, late trading as a manufacturers' agent at 212 Wellington Street, now trading as The Gatap Co., oxy-acetylene welder and chemical manufacturer, at Stansfield Mill Yard and 79 Kirkstall Road, Leeds. The adjourned public examination was held on October 7 at the County Court House, Albion Place, Leeds, before Mr. Registrar Gillespie. The liabilities were estimated at 1,612*l.* 19*s.* 6*d.*, of which 923*l.* 5*s.* 1*d.* is expected to rank. The assets were put at 154*l.* odd. The failure is attributed to bad trade and losses in the chemical business owing to faulty manufacture. After debtor being questioned further, the examination was again adjourned for accounts to be filed.

"Surgical Instruments," says a news item, "are to be brought within the scope of the Profiteering Act." The exorbitant charges made by eminent surgeons for forceps, clinical thermometers, and other instruments assimilated by patients in the course of an operation have always been one of the scandals of the profession.—*Punch.*

A Base Transaction.—A Scottish correspondent recently back from active service in France sends us an account of an attempt that he made there at doing business as a second-hand bottle dealer. Being canteen manager in his company, the brilliant idea struck him that empty beer-bottles, which were not returnable, might be converted into cash. A sample was duly prepared and submitted to a French pharmacist. The pharmacist appeared delighted at his opportunity, and suggested a price of 6 fr. a hundred, washed, wrapped, and delivered. Trade was not brisk.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Blackburn.—At a meeting of the Insurance Committee, held on October 14, it was stated that the cost of drugs in the area for 1918 was so great that the Panel Committee received no portion of the floating 6*d.* in respect of that year. For the year 1917 they received a sum of 879*l.* 11*s.* 3*d.* It was decided to write to a panel doctor for an explanation of his failure to diagnose a case of tuberculosis.

Croydon.—The Insurance Committee have been investigating an allegation against a panel doctor of extravagant prescribing, and the Panel Committee have agreed that the doctor should be surcharged 5*l.* The complaint was that the doctor ordered an abnormal quantity of pills. Four dozen were often ordered at one time. One woman had nineteen dozen pills on eight prescription forms, with nine dozen other pills on four forms. The doctor, it was shown, largely favoured 12-oz. bottles, with mixtures generally of five or six ingredients. Where his prescriptions cost the Committee 29*l.* 16*s.* 4*d.*, the average for six other panel doctors in the same area, for a similar number of insured persons, was 17*l.* 14*s.* 6*d.* The referees held that the doctor made excessive use of flavouring agents and unnecessarily ordered certain more expensive drugs, and that he could have equally effectively treated the patients at less cost. The ordering of large quantities, too, was not economical, but wasteful. They also held that the doctor, in advising patients to buy their own Epsom salts, had thereby "seriously misconceived his responsibilities." They pointed out that no panel doctor must, on any account, require a patient to provide medicine at his or her own expense. ["The Times" has contained comments on this case, in which medical correspondents have endeavoured to show that the decision acts as a check on the efficiency of the panel doctor. The fact is, of course, that the doctor is allowed to order any drug he deems necessary for a panel patient, but he is rightly checked when he is guilty of extravagance.—Editor.]

Isle of Wight.—During 1918 the number of prescriptions dispensed was 65,510, at a cost of 2,121*l.* 5*s.* 7*d.*, averaging 7.77*d.* per prescription, compared with 45,354, at an average cost of 8.04*d.*, and a total cost of 1,521*l.* 3*s.* 2*d.* in 1917. The average total cost of the drugs and appliances supplied amounted to 26.60*d.* per insured person.

Pharmaceutical Service for 1920.—The Ministry of Health has sent out the following letter regarding the revision of terms of medical service for insured persons:

As your Committee are aware, the Medical Benefit Regulations embodying the conditions of service for doctors and chemists are in course of revision. In the ordinary course, any changes embodied in these Regulations would have come into force on January 1, 1920, and notices of the changes would, therefore, under the existing Regulations require to be given early in November. In order that there may be the fullest opportunity of detailed consideration of the various questions with which the draft of the new Regulations will deal, it has been decided, after consultation with the representatives of insurance practitioners and of chemists respectively, that some short postponement of the date on which the Regulations will come into operation is inevitable. It is proposed, therefore, to issue a short provisional regulation at an early date, under which the right of individual practitioners and chemists to give notice to determine service at the end of the prescribed period will be properly safeguarded; and the new Regulation will not, in fact, come into operation until the customary notice of the conditions of service embodied in those Regulations has been given to every individual practitioner and chemist concerned, and the usual period beyond the date of that notice has expired.

The Manufacture of Emetine Bismuth Iodide.

Helvetius, in 1686, introduced the use of ipecacuanha in the treatment of dysentery, but it was Rogers who, in 1912, placed this form of treatment on a scientific basis by the introduction of hypodermic injections of emetine for the successful treatment of amœbic dysentery. It was found, however, that the subcutaneous exhibition of emetine failed to affect the *Entamœba histolytica* encysted in the intestinal folds, and the demand arose for an internal mode of administering emetine free from emetic action. Emetine bismuth iodide was found to answer this requirement, as it passes the stomach practically unchanged. Professor Van der Wielen ("Pharm. Weekbl.") has published a method of preparing this preparation. Powdered ipecacuanha, 500 grams, is shaken up for three hours with a mixture of 3,000 c.c. of ether and 250 c.c. of liquid ammonia. The ethereal layer is then filtered off, the powder again extracted twice with 1,500 c.c. of ether, the ether removed by distillation, the residue treated with 1,500 c.c. of 2 per cent. nitric acid for twenty-four hours, and then filtered. To the filtrate a modified form of the Dragendorff-Kraut reagent is added, consisting of a solution of 40 grams of basic bismuth nitrate in 100 grams of nitric acid, to which water is added to the precipitation limit. To this a solution of 136 grams of potassium iodide in 175 c.c. of water is added; potassium nitrate now crystallises out. The liquid is filtered and diluted with nineteen times its amount of 1 per cent. nitric acid, and a little $\frac{1}{2}N$ sodium thiosulphate solution may be added, to combine with any iodine which may have been formed. The yield depends upon the alkaloidal content of the material employed, usually it amounts to 5 or 6 per cent. Blomberg draws attention to the fact that emetine hydrochloride is found in commerce both anhydrous and with a content of 19 per cent. of water, a matter of importance in a preparation with such a potent action.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, October 21.

London (South-West) Chemists' Association, Stanley's Restaurant, 235 Lavender Hill, London, S.W., at 8.30 p.m. Meeting for assistants and apprentices in the South-Western area.

National Association of Women Pharmacists (London Group), Dr. Williams' Library, Gordon Hall, Gordon Square, London, W.C. 1, at 8 p.m. Mr. E. R. Abbott on "The New Housing Act."

Wednesday, October 22.

Federation of Lancashire Pharmaceutical Associations, Royal Institution, Colquitt Street, Liverpool, at 3 p.m. Annual meeting.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 7.30 p.m. Mr. John Keall (member of the Pharmaceutical Council) on "The Future of Pharmacy."

National Association of Chemists' Assistants (Newcastle-on-Tyne Branch), Drawing Room Café, Newcastle-on-Tyne, at 7.15 p.m. Whist-drive and musical evening. Tickets (3*s.* 6*d.*, including refreshments) from members of the Committee or from the Secretary (Mr. N. Elder), 16 Normanton Terrace, Newcastle-on-Tyne.

Thursday, October 23.

Institute of Ophthalmic Opticians, Royal Society of Arts Hall, 18 John Street, Adelphi, London, W.C. 2, at 8 p.m. Ettles Lecture on "The True Action of Lenses in Ametropia," by Mr. L. Laurance.

London (Western) Pharmacists' Association, Pinoli's Restaurant, Wardour Street, London, W., at 7 p.m. Annual reunion and whist-drive. Tickets (6*s.* each) from any member of the Committee.

Mysore Export of Chillies.—The Food Controller and Director of Civil Supplies has been authorised by the Government of Mysore to permit the export of chillies up to a limit of 500 tons. He is directed to watch the effect of the export on the local prices and to report in the event of prices going abnormally high.

The Drug Trade in America.

A pharmaceutical visitor who has just returned from a trip to the United States gives his impressions of his visit.

The contrast between the retail drug-trade in the United States and pharmacy in Great Britain is soon apparent to the visitor arriving in America from England. There are 60,000 retail drug stores in the United States—one store for every 2,000 people—and the average American druggist devotes a considerable amount of his early training to becoming not merely a duly registered vendor of drugs and chemicals, but also a successful retail merchant. This result is accomplished with undoubted success, and its effect is obviously to bring great prosperity and credit to the store owner. Druggists in the United States have reached a very high standard in the business world, and it has to be remembered that commerce is the profession in America. Being a successful merchant means that the chemist breaks away from a narrow trade in pills and physic, which people only buy because they are compelled to, and launches out in selling merchandise in everyday use—products that men need, goods that women and children buy because they want them. Many of the American drug stores have fifteen and sometimes twenty different departments, including prescription filling, toilet goods, perfumes, packed pharmaceutical preparations, confectionery, stationery, cigars and tobacco, rubber goods and hospital supplies, and frequently a well-equipped soda-fountain. Each of these departments has its own special salespeople, and competitions are often organised to see which department can show the largest increase of business. Thus each assistant makes it a matter of personal prestige to increase the sales and help his own department to top the sales figures.

Window-shows.

Window dressing is undoubtedly a valuable feature of the retail business in the United States. The big stores have staffs of expert window-dressers, whose sole occupation is to plan business-pulling window-shows. Windows are changed frequently, sometimes weekly, and the much-discussed problem of whether the mixed window or a display of one product only is preferable appears to be solved by the American druggist in favour of single-article displays. An examination of several hundred American drug stores showed that 90 per cent. of windows advertised one class of product only. In the use of show-card material the Americans are a long way ahead of us in England. Their displays are less crowded than ours, but appear more striking by the aid of forceful window and counter cards.

Assistants' Salaries.

The salaries of assistants in the United States naturally run higher than the ordinary rates of pay of an English assistant. A good dispensing manager earns between eight and nine pounds a week, with a bonus at the end of each six months. In many instances the prescription department (about 10 per cent. of the turnover) is the least profitable section of the business owing to the high running cost and the small turnover. The "big" money is made on the sundries counter, and in selling perfumes, toilet products, candy, etc. Here an assistant who is quick and persuasive can easily make the equivalent of a sovereign per day for himself or herself. Generally speaking, salaries are not inclusive; bonus and commission systems of various kinds are very largely in vogue. In this way payment by results is achieved, and appears to prove satisfactory to all parties. It is interesting to note that recently the trade-union spirit has manifested itself among pharmaceutical assistants in various centres of America, and rates of pay have been increased considerably. Good drug-store assistants are not so scarce in the United States as they have been in Britain, but the difficulty of obtaining efficient help is still a serious problem. The big departmental stores offer shorter hours, and sometimes increased opportunities for earning more money, and yet they are frequently under-staffed through lack of the right kind of employés.

The New and the Old.

New York City is full of interest to the pharmaceutical visitor. Adjoining the Grand Central Station is the largest drug store in America. It is operated by the Liggett organisation, and has a rental of over 20,000*l.* per annum, with a retail selling staff of eighty-two persons. It is estimated that a million people have to pass this store every day, and one can well accept this figure, as from early morning until midnight this store is thronged with buyers of all kinds. The prescription department of this store is a model of neatness and cleanliness. Ten minutes' walk away, near Fifth Avenue, is a "pharmacy" of the rapidly disappearing type, which appears to exist mainly on physic business alone. There is a very marked tendency in America and in Canada in the direction of eliminating the middle-man. The high cost of living has given great impetus to the call for direct supply from the manufacturer to the retailer. The latter has had to absorb certain costs which could not be passed on to the purchaser, and the manufacturer's costs have increased very materially. A prominent retail druggist informed me that he ran his store very successfully on a 35 per cent. gross profit; operating expense 27 per cent., and 8 per cent. net profit. His rent expense is 7 per cent., which is much higher than is usual in England. Every druggist I met had the fullest information on all these points. They know exactly how much they can afford to spend on expenses of advertising, lighting, assistants' salaries, rent, and so forth, and, in addition, many take stock every month. The thought often struck me, "Is it by attention to these important details that almost every American druggist is able to run his own motor-car?" *R. F. L.* (34/48.)

Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

Tuberculosis Infection.—Calmette ("Ann. Inst. Pasteur," 60—68, 1919) has established that many kinds of bacteria circulating in the blood are eliminated by the intestine; the bacillus of tuberculosis in particular is taken up by the liver and emptied into the intestine with the bile. Recent experiments have shown that tuberculosis is spread among cattle by the excreta, and this explains infection occurring in stables, and also the presence of tuberculosis bacilli in milk, even that from healthy cows. This fact also draws attention to the spread of tuberculosis through vegetables, due to contamination with tuberculous manure, and its propagation on farms and in rural districts.

Determination of Glycyrrhizin.—Dissolve 3 grams of ext. glycyrrhizæ dried at 100° in 30 c.c. of water containing 5 drops of solution of ammonia, and filter. To 20 c.c. of filtrate add 2.5 c.c. of sulphuric acid and allow to stand for twenty-four hours. Decant the limpid liquid upon a filter, wash the residue with a total of 30 c.c. of water, filter, and reject the washings. Dissolve the residue with 1 to 2 c.c. of solution of ammonia, pass the solution through the filter, and wash with 10 c.c. of water containing 5 drops of solution of ammonia until the washings are colourless. Evaporate the solution on a water-bath and dry at 100°. Add 0.04 gram per 40 c.c. of washings and calculate the percentage.—Astruc and Pichard, "Journ. Pharm.-Chim.," 18, 289-90.

Digitalis Purpurea.—Koch and Butler have investigated the influence of fertilisers on digitalis ("Amer. Journ. Pharm.," 91, 1919). On a clay-loam soil sodium nitrate seemed to be the most essential single fertiliser; in sand, mono-calcium phosphate was the most important. The addition of 150 lb. per acre of manganese sulphate applied to a clay-loam soil increased the activity of digitalis by 17 per cent. over the activity produced in plants grown in soil receiving no manganese sulphate. Digitalis plants are not attacked by chewing or sucking insects. Drying the leaves at 100°, or heating for one hour at 100° and then drying at 55—60°, were the most satisfactory methods as regards preserving the activity of the drug, as well as the speed with which drying is accomplished.

Ceylon Papain.—The preparation of papain in Ceylon continues to make progress. There was a demand for a carefully prepared product, and most buyers were not desirous of purchasing low quality. Inquiries for papain were received from India and East Africa during the year.

The Economic Resources of Burma.

VI.—Medicinal Plants.

Although we have held possession of the Tenasserim division in Lower Burma for close on a century, and the more recently acquired Pegu division for sixty-six years, it is probable that we have still much to learn regarding the medicinal plants which abound in the forest, and about which from time to time the most diverse accounts have been circulated. Dr. F. Mason, one of the most learned American Baptist missionaries who ever visited the province, and who spent, in the nineteenth century, some thirty years of his life there, published a valuable book on Burma and its productions, which has passed through several editions, and is still often referred to for information regarding matters not to be found in works by more recent authors. He was of opinion that if Burma was for any reason deprived of European drugs and left to its own resources it could find fairly good substitutes for almost every article used in the British pharmacopœia, in its own medical flora. He gave numerous instances. The bark root of the red cotton tree and the roots of the *Clitoria* are emetic; the roots of *Tylophora vomitoria* are pronounced by Indian practitioners not inferior to ipecacuanha for any of the purposes to which that medicine is applied. There are fully a dozen plants producing aperients or purgatives. The gum of the white cotton tree and the peel of the mangosteen fruit are prescribed with success in bowel complaints. Others have been found useful as vermifuges, cordials, and stomachics, whilst the bark of *Guilandina Bonduc* is considered a good substitute for cinchona when that cannot be had. Various leaves, barks and fruit have all their separate uses; some of them famous for their medicinal properties since the days of Celsus. Burman medical practitioners are by no means deficient in knowledge how to apply the medicinal resources of their country, and Mason thought their prescriptions deserved more attention than had in his time been bestowed on them. In the midst of much chaff are often found grains of wheat which more than repay the labour of sifting; and a few grains of gold are worth the trouble of washing as many bushels of sand. About gamboge and its presence in Burma there seem to have been many varied opinions. In a paper communicated by Dr. Mason, and published in the "Journal of the Asiatic Society" as long ago as July 1847, he says he possesses three works describing gamboge each as the product of a different tree, whilst a fourth writer represents all to be wrong and a fifth suggests a different plant still. One writer referred it to *Cambogia gutta*, a plant which, as described by Linnæus, has probably no existence. He described a Ceylon plant, "and it is now quite evident," says Dr. Wight, "that the character of the flower and ovary is taken from one specimen, and that of the fruit from a different one, owing to the imperfection of his specimens, and to his not being aware that the lobes of the stigma afford a sure indication of the number of cells of the fruit." Another refers it to *Gorcinia Cambogia*, but Dr. Wight says that the exudation of this tree is "wholly incapable of forming an emulsion with the wet finger," a statement known to be correct. The tree is very common in Tenasserim, but the bright yellow exudation it produces is certainly not gamboge. A third writer refers it to *Stalagmitis Cambogioides*, but Dr. Wight remarks: "The juice of this tree differs so very widely in its qualities from good gamboge that it can never be expected to prove valuable as a pigment."

Dr. Graham has described a Ceylon tree under the name of *Hebradendron Cambogioides*, which is said to produce good gamboge, but no gamboge had ever then been exported into the English market from Ceylon. Thus it would appear, according to Dr. Wight, that "the tree, or trees, which produce the gamboge of commerce is not yet known" (1847).

Dr. Mason says that the hills that bound the valley of the Tavoy river on both sides, from their bases to their summits, abound with a tree which produces a bright gamboge. This is the district which has since become so famous for its wolfram, which doubtless greatly assisted the Allies in winning the late war. This tree is Roxburgh's *Garcinia pictoria*, which he knew produced gamboge, but which he said was liable to fade. When Dr. Mason had satisfied himself by an examination of the inflorescence of the Tavoy plant with Roxburgh's description he coloured two pieces of paper, one with this gamboge and the other with the gamboge of commerce, and exposed both to the weather equally for over a year. He was unable to discover that either faded during that time. South of the mouth of the Tavoy river, and throughout the adjoining district of Mergui, there is another species of *Garcinia* found which also produces good gamboge. Of this Mason says neither Wallach, Wight, nor Griffith appears to be aware, but he failed to discover the slightest difference in the exudation of this tree and the gamboge of commerce. It was used as a dye by Burmans and Karens, and also in colouring drawings, whilst Burman doctors also used it in their medicines, but not extensively.

Dr. Lindley, in what was then a new work, "The Vegetable Kingdom," says "the best gamboge comes in the form of pipes from Siam, and this is conjectured to be *Garcinia Cochinchinensis*." As *Garcinia elliptica* is spread all over the Mergui district, part of which formerly belonged to Siam, of which country it is now the frontier on the British side, it would seem not only possible but probable that the Siamese gamboge may be a product in part of this tree. Specimens of the Mergui gamboge were sent up by Dr. Mason to Calcutta, and the then Secretary of the Asiatic Society of Bengal wrote in reply: "Our best botanists here consider that you have hit upon the true tree at last."

It is remarkable that not one of the three trees to which reference was made produces gamboge, whilst the two species in the Tenasserim division that do furnish it were not even mentioned by botanists in Calcutta until Dr. Mason wrote.

New Books.

Gadd, H. Wippell. *Synopsis of the British Pharmacopœia, 1914.* Tenth edition. $4\frac{1}{4}$ in. × $2\frac{3}{4}$ in. Pp. 199. 2*s.* (Baillière, Tindall & Cox, 8 Henrietta Street, London, W.C.) [Mr. Gadd's little book is often found in the pocket of students on account of the convenient arrangement of the essential particulars of the British Pharmacopœia, but it contains much useful matter to all chemists—*e.g.*, the instructions for converting alcohol to proof spirit.]

Income-tax Guide. $8\frac{1}{2}$ in. × $5\frac{3}{8}$ in. Pp. 36. 1*s.* ("Financial Times," Ltd., 72 Coleman Street, London, E.C.) [A new edition of the "Financial Times" income-tax guide, including the changes made by the Finance Act, 1919.]

Lucas, E. W., and Stevens, H. B. *First Lines in Dispensing.* Second edition. $7\frac{1}{2}$ in. × $4\frac{7}{8}$ in. Pp. 182. 6*s.* (J. & A. Churchill, 7 Great Marlborough Street, London, W.) [An elementary book on the dispensing of medicines, covering most of the operations involved. It begins with information on weights and measures and on the various apparatus used in pharmacy. The method of reading prescriptions is touched upon, and there is a short vocabulary of Latin terms. Then are dealt with the dispensing of mixtures, pills, ointments, plasters, pastilles, capsules, triturates, and ampoules. There is a useful list of poisons and antidotes, and information regarding percentage solutions, alcohol, and solubilities is given.]

Marchetti, L. *The Economic Revival of Italy.* $7\frac{3}{4}$ in. × $5\frac{3}{4}$ in. Pp. 91. Gratis. (Italian State Railways, 12 Waterloo Place, London, S.W.) [An interesting account of the growth and present position of Italy, including the chemical industry.]

Transactions of the Cremation Society of England. No. XXX. $8\frac{3}{8}$ in. × $5\frac{1}{2}$ in. Pp. 32. 6*d.* (The Cremation Society, 324 Regent Street, London, W. 1.) [Contains the annual report, accounts, rules, and membership of the Society, with a list of persons of note who have been cremated.]

Trade Report.

42 Cannon Street, E.C. 4, Oct. 16.

A QUIETER feeling has been evident in the markets this week, the wave of speculation in products like menthol, Japanese oil of mint, and star-anise oil having exhausted itself for the time being, and prices are the turn easier now that the export demand has been satisfied. Japanese refined camphor slabs have passed the 1*s.* per oz. mark this week, on further export orders. Calumba is rather cheaper in view of the heavy stocks, and the scarcity of ergot continues acute. Belgian chamomiles are selling freely at reasonable prices. Scammony-root and witch-hazel-leaves are cheaper. Cascara is quiet, and senega is very firmly held. Cassia fistula is dearer. Caraway-seed is lower; canary is dearer, and linseed is firmer. Copaiba is steady, but balsams Peru and tolu are steady and slightly dearer, following an advance in America. Japanese vegetable wax is cheaper, and Cape aloes have been selling more freely at firm rates. Among pharmaceutical chemicals, bromide of potash is firmer, and American makers have advanced the price by 15c. per lb.; ammon. is rather easier, and soda is unchanged. Methyl salicylate is tending firmer, and slightly higher prices are asked for barbitone, acetanilide, and vanillin. Products which have more or less declined include phenazone, phenacetin, sparteine sulphate, phenolphthalein, benzonaphthol, and calcium lactate. Quicksilver has been reduced twice, but partially recovered, the market being unsettled. Mercurials may possibly be reduced in consequence. Silver compounds are higher. Among the seed oils there has been a sharp rally in linseed, and, although the outlook for consumption is good, the present price is regarded as still highly inflated.

Higher	Firmer	Easier	Lower
Camphor (Jp. ref. slabs)	Acetanilide	Ammon. bromide	Benzo-naphthol
Canary-seed	Antimony	Aspirin	Calumba
Cassia fistula	Balsam Peru	Calcium lactate	Caraway-seed
Farina	Balsam tolu	Citric acid	Isinglass
Linseed oil	Barbitone	Gum acacia	Phenacetin
Mace	Fenugreek-seed	Menthol	Quicksilver
Malt extract	Linseed	Mint oil	Scammony-root
Nutmegs	Methyl salicylate	Phenazone	Vermilion
Silver salts	Palm oil	Phenol-phthalein	Wax, veget. (Jp.)
Turpentine	Pepper (white)	Sparteine sulph.	Witch-hazel-leaves
Vanilla	Potash bromide		
Vanillin			

The drug auctions will be held next Thursday, October 23.

Cablegram

NEW YORK.—Business is fair. Potash bromide has been advanced to 65c. per lb. Phenacetin is steady at $2.25, and quicksilver is lower at $85 per bottle. Cartagena ipecacuanha has advanced to $3.00, balsam tolu to $1.00, and Canada balsam to $9.50 per American gal. Mandrake (podophyllum) root is dearer at 20c., likewise Curaçao aloes at 9½c., and buckthorn-bark at 60c. per lb.

ACETANILIDE has a firmer tendency, dealers quoting kegs at from 2*s.* 5*d.* to 2*s.* 6*d.* per lb. on the spot.

AGAR-AGAR is steady, with spot sales of No. 1 Kobe strip at 2*s.* 11*d.* to 2*s.* 10*d.* per lb., and sellers of No. 2 Yokohama at 2*s.* 8*d.*

ALBUMEN.—Chinese egg is steady, with sales at 5*s.* 1*d.* to 5*s.* 2*d.* per lb. on the spot, afloat at 5*s.* 1*d.* to 5*s.* 2*d.*, and for October-December shipment 5*s.* 2*d.* c.i.f. has been paid, with sellers at 5*s.* 3*d.*

ALOES (CAPE) have been in better demand at rather dearer prices, with a fair business passing from 50*s.* to 58*s.*, according to quality.

ANISE OIL, STAR, on a quiet market, has reacted about 3*d.* per lb. to 5*s.* 6*d.* for "Red Ship" brand.

ARROWROOT.—At auction on Wednesday 50 barrels St. Vincent offered, and 25 sold at 5¾*d.*

ASPIRIN.—The makers are not able to sell below 4*s.* 6*d.* for quantity, and in small lots from 4*s.* 9*d.* to 5*s.* is quoted, but second-hands who have favourable contracts can offer at slightly less than the foregoing prices.

BALSAM PERU.—Spot sales have been made at 17*s.* per lb., but 17*s.* 6*d.* is now asked.

BALSAM TOLU is firmer at 7*s.* 6*d.* per lb. on the spot.

BARBITONE is firmer at from 30*s.* to 32*s.* 6*d.* per lb. as to quantity on the spot.

BENZALDEHYDE is dearer at 6*s.* 3*d.* per lb. on the spot.

BENZONAPHTHOL is about 2*s.* per lb. cheaper, dealers offering at from 23*s.* to 24*s.* per lb. as to quantity.

BROMIDES.—An outstanding feature is the continued scarcity and demand for potash, holders of which can readily get 4*s.* 3*d.* per lb., and to arrive sales of American have been made up to 3*s.* 6*d.* c.i.f. in quantity. American makers have advanced potash by 15c. per lb. to 65c. Ammon. is easier at 2*s.* 10*d.* to 2*s.* 11*d.* on the spot in kegs, and to arrive 2*s.* 8*d.* c.i.f. is quoted. Soda is unchanged at 2*s.* 8*d.* on the spot and 2*s.* 7*d.* c.i.f. to arrive.

BUCHU.—The spot market is cleared, but a parcel is reported to be now landing.

CALUMBA.—In view of the heavy stocks and continued arrivals holders are anxious to make progress, with fair, bright, clean sorts offering at 72*s.* 6*d.* per cwt.

CAMPHOR (REFINED).—One shilling per oz. and more has been paid for Japanese refined slab camphor for export, spot sales having been made at from 16*s.* to 16*s.* 9*d.* per lb., which prices are a "record" during the past twenty-five years. For prompt shipment 15*s.* 9*d.* and for October-November 16*s.* 4*d.* c.i.f. has been paid. English flowers are quoted at 16*s.* and tablets at 16*s.* 6*d.*; bells are nominal.

CANARY-SEED has continued to advance in price since our last report with a good demand, and the quotations are now 170*s.* to 175*s.* per quarter for fair to good Morocco, and 160*s.* to 165*s.* for inferior to ordinary.

CARAWAY-SEED is lower at 55*s.* per cwt. for good Dutch on the spot.

CASCARA SAGRADA remains quiet, with spot parcels offering at from 112*s.* 6*d.* to 115*s.* per cwt. on the spot as to age.

CASSIA FISTULA has been selling at from 160*s.* to 170*s.* per cwt., and upwards, but holders now ask 200*s.* for spot supplies, owing to the absence of arrivals.

CHAMOMILES.—Competition in the new crop is keener this year, and new Belgian have been sold at down to 185*s.* per cwt., but most holders are now asking 190*s.* to 195*s.*

CHILLIES.—The recent cheap sales in Liverpool appear to have been for export, and cannot be repeated. In London there is a scarcity in first-hands of Zanzibar, Mombasa, or Nyasaland, and the prices are nominal at between 60*s.* and 70*s.* per cwt. The stock is said to be mostly Japanese, obtainable at about 65*s.*

CHLORAL HYDRATE.—A small demand and the release of Government stocks has led the American makers to reduce their price to 95c. per lb. in 100-lb. lots. In London, however, prices, if anything, are rather firmer, nothing offering below 7*s.* per lb. for duty-paid crystals, up to 7*s.* 6*d.* being asked as to quantity.

CINNAMON is dearer at 2*s.* 8*d.* per lb. for firsts sticks, and for chips 1*s.* is asked.

CITRIC ACID is rather easier at from 4*s.* 3*d.* to 4*s.* 3½*d.* per lb.

CLOVES are steady, with spot sales of fair Zanzibar at 2*s.* 2*d.* per lb., and for October-December delivery 2*s.* 1*d.* c.i.f. has been paid.

COCAINE.—Hydrochloride is steady, with sellers on the spot at 30*s.* per oz.

COPAIBA is steady at 4*s.* 6*d.* per lb. on the spot for B.P. (Central American).

CORIANDER-SEED is steady but quiet at 22*s.* 6*d.* to 23*s.* 6*d.* per cwt., according to quantity, for fair Morocco.

Cream of Tartar is firm and comparatively scarce on the spot at from 255*s.* to 260*s.* per cwt.

Cumin-seed is unchanged at 48*s.* to 50*s.* per cwt. for fair to good sifted Morocco, and at 57*s.* 6*d.* for Malta.

Dill-seed is quiet at 20*s.* per cwt. for fair East India.

Eucalyptus Oil is in jobbing demand at from 2*s.* 7*d.* to 2*s.* 8*d.* per lb., with globulus offering at 2*s.* 9*d.* to 2*s.* 10½*d.*

Ergot.—The spot scarcity continues acute, and there appears to be no firm or genuine offers for goods to arrive from Spain or elsewhere. For a parcel of Spanish near at hand 15*s.* per lb. is said to have been paid, and 15*s.* 6*d.* to 16*s.* would readily be paid for single bags on the spot.

Farina is dearer, with spot sales of No. 1 Japanese at from 38*s.* to 40*s.* per cwt., and for November-December shipment 39*s.* c.i.f. is quoted. Sweet potato flour is unchanged at 34*s.* and 32*s.* c.i.f.

Fennel-seed is steady at 37*s.* 6d. per cwt. for East India.

Fenugreek-seed is unchanged at 15*s.* per cwt. for Morocco.

Geranium Oil.—Bourbon is firm and scarce on the spot at 27*s.* 6*d.* to 28*s.* per lb.

Ginger.—Good sound Cochin is scarce at from 100*s.* to 105*s.*, and wormy is plentiful at from 85*s.* to 90*s.* African, Jamaica, and Japanese are slow and unchanged.

Hen-yolk is quiet, China (2 per cent. boric acid) offering at 150*s.* per cwt., afloat at 142*s.* 6*d.*, October-December shipment at 142*s.* 6*d.* c.i.f., and December-January shipment at 140*s.* c.i.f. Dried yolk is 1*s.* 8*d.*, and sellers afloat at 1*s.* 8*d.* c.i.f. Dried whole on the spot is 2*s.* 9*d.*, and liquid whole 130*s.* c.i.f. for September-November shipment.

Honey.—There are fairly good spot stocks of Jamaica and Cuban, but holders are not forcing sales, as at present spot prices recent imports would show a loss. Light amber set Jamaica is quoted at from 80*s.* to 85*s.*, and golden set Cuban 70*s.* to 75*s.* Australian is quoted at from 57*s.* 6*d.* to 65*s.* per cwt. as to flavour, etc., but holders claim they can get better prices for export than for home trade.

Insect-flowers.—Fair Dalmatian are selling on the spot at 310*s.* per cwt.

Kola is fairly plentiful, either Java or West African offering at 7*d.* to 7½*d.* per lb. for good sound. At the spice auction 10 bags West Indian sold at 6½*d.*

Linseed is firmer at 47*s.* 6*d.* per cwt. for good quality.

Mace was dearer at auction, seventeen packages West Indian selling at 2*s.* 1*d.* to 2*s.* 2*d.* for fine pale, 1*s.* 9*d.* to 1*s.* 10*d.* for good, 1*s.* 6*d.* to 1*s.* 8*d.* for fair, 1*s.* 2*d.* to 1*s.* 4*d.* for dark, and 1*s.* for pickings.

Malt Extract was recently advanced by 5*l.* per ton by the makers, and it is anticipated that unless the present high price of barley is reduced a further advance may be necessary later.

Menthol has shown a subdued tone after the excitement of last week, and although 45*s.* has been paid for spot lots of Kobayashi-Suzuki, the market on Wednesday was the turn easier at 44*s.* to 45*s.*

Mercurials.—Makers prefer more settled conditions for mercury before again revising prices, and, although a further reduction is possible, it had not been announced on Wednesday.

Methyl Salicylate is firmer at from 3*s.* 6*d.* to 3*s.* 9*d.* per lb. for spot parcels.

Mint Oil.—Japanese dementholised, after the excited market of last week, has quieted down, and the market is the turn easier at from 9*s.* to 9*s.* 3*d.* per lb. for Kobayashi-Suzuki on the spot. The United States appear to have placed good-sized orders on this market.

Mustard-seed is firm at 90*s.* to 92*s.* 6*d.* per cwt. for new season's English yellow.

Nutmegs were dearer at auction, seventeen packages being offered and sold, comprising 92 to 80's 1*s.* 8*d.* to 1*s.* 10*d.*, slightly wormy 99 to 76, 1*s.* 6*d.* to 1*s.* 11*d.*, 110 to 108's slightly wormy 1*s.* 5*d.* to 1*s.* 9*d.*, 130's sound 1*s.* 6*d.*, 130 to 132's slightly wormy 1*s.* 4*d.* to 1*s.* 6*d.*

Phenacetin is slightly easier, dealers offering at from 16*s.* 6*d.* to 17*s.* per lb. as to quantity.

Phenazone is about 1*s.* per lb. easier, spot supplies offering at 21*s.* 6*d.* to 22*s.* per lb.

Phenolphthalein is easier on the spot at 17*s.* 6*d.* per lb., and to come forward sales have been made at 12*s.* 6*d.* c.i.f.

Pimento is steady with spot sales of fair at 5½*d.* per lb. and sellers.

Potash Permanganate.—Crystals offer at 3*s.* 3*d.* and powder at 3*s.* per lb.

Pyrogallic Acid is firm at 12*s.* per lb. for crystals and 14*s.* for resublimed.

Quicksilver.—The position is dealt with on p. 57. The leading importer's price was reduced by 2*l.* per bottle on Tuesday to 15*l.* 10*s.*, and at this figure a fair business was done, after which the quotation was advanced at the close of the day by 1*l.* to 16*l.* 10*s.* The market is, however, unsettled.

Quinine.—There is still no relief from the bureaucracy of which sulphate of quinine is the subject, and the demand in this country in consequence is still limited. There is a keen demand for other salts and preparations. There seems to be some misapprehension abroad that the British Quinine Corporation is a selling body. We have made inquiries and find that the Corporation does not interfere in the ordinary run of trade at all, and consequently no inquiries should be addressed to this body by purchasers, who should communicate with the ordinary selling-houses as in the past. Prices show a tendency to rise, as the Amsterdam exchange on London which a month or so ago was fl.11.80 to fl.11.90 is now in the neighbourhod of fl.11.6 to fl.11.10. This is bound to react on the price, which will naturally have a tendency to rise in consequence of the exchange falling. Meanwhile, buyers are once again advised to ignore sulphate and concentrate their attention on other salts for the time being, it being looked upon that the present impasse will be cleared away very shortly now. In reference to the disposal of the surplus Government stocks, to which reference was made last week, we are authoritatively informed that the greater part was transferred to the Government of India. The balance—a comparatively small quantity—was offered by the Government to British firms throughout the country, who have been in the habit of purchasing from them. The imports of quinine and quinine salts into the United Kingdom have been as under :

	1917 Oz.	1918 Oz.	1919 Oz.
September	386,238	10,776	1,005,840
Jan. to Sept. ...	3,474,765	1,339,709	4,940,408
Exports from U.K.:			
September ...	104,646	40,042	123.997
Jan. to Sept. ...	1,253,080	310,329	1.101,651
Re-exports from U.K.:			
September ...	31.691	439,338	558,247
Jan.-Sept. ...	110,691	1,505,430	2,101.339

In its issue of September 24 the New York "Drug and Chemical Markets" states that "Everybody in the market seems to be out after quinine. There has been very little buying by speculators because of the suddenness of the price development. However, speculative interests have been trying to buy in all quarters, and this has been an additional factor in forcing the price up. On the spot, second hands are asking up to $1.35 per oz., with sales reported at $1.30. There is very little available here, and holders are evidently not over-anxious to sell just at present. American manufacturers are still supplying their regular trade with limited quantities only, without change of price at 80c. per oz. in 100-oz. tins. Bark is being held up for shipment out of Java, but the reason is not evident. The Dutch now have a clear field without the slightest obstacle, and it is obvious that they intend to control the supply and price of the quinine of the world with an iron rod."

Rhapontica-root.—Chinese is offered at from 1*s.* 6*d.* to 2*s.* 3*d.* per lb. as to quality.

Saffron.—We are informed by a firm of importers that they are able to offer finest valencia from spot stock at somewhat below the price we quoted last week.

Salicylates are firm generally, B.P. salicylic-acid powder offering at from 2*s.* 6*d.* to 2*s.* 9*d.*, soda-salicylate powder at from 3*s.* 6*d.* to 3*s.* 8*d.*, and crystals at from 3*s.* 8*d.* to 4*s.* as to quantity.

Scammony-root is offered at the cheaper rate of from 55*s.* to 60*s.* per cwt. for ton lots on the spot, testing 17 per cent.

Senega is very scarce. A small parcel is now being landed for which the importer is holding for 9*s.* 6*d.* per lb.

Shellac is steady, with sales at last week's reduced price of 470*s.* per cwt. for the usual standard TN Orange quality on the spot; fine Orange is quoted at from 495*s.* to 505*s.*; cakey AC Garnet at 385*s.*, and pure button at 470*s.*, at which business has been done. Futures have been irregular, but dearer, the sales including October at from 450*s.* to 460*s.*, sellers quoting 465*s.* December has been sold at from 460*s.* to 457*s.* to 455*s.* Arrival prices have also advanced, TN for October-November shipment offering at 427*s.* 6*d.* c.i.f.

Silver Salts.—Proteinate is dearer at 19*s.* per lb. on the spot, and the nucleinate is offered at 4*s.* 6*d.* per oz.

Sparteine Sulphate is cheaper at 17*s.* 6*d.* per oz.

Tamarinds.—West Indian remain fairly plentiful, offering at about 42*s.* in bond, but East Indian are scarce at about 50*s.* per cwt.

Tartaric Acid is firm at 3*s.* 3½*d.* for spot supplies.

Terpineol is dearer at from 5*s.* 6*d.* to 5*s.* 9*d.* per lb. for spot supplies.

Turpentine.—A large business has again been done at a further advance, American closing about 1*s.* 6*d.* higher at 127*s.* 6*d.* per cwt.

Valerian.—Good clean Belgian is quoted at from 230*s.* to 235*s.* per cwt.

Vanilla.—At auction on Friday, 127 tins offered, and practically all sold at fairly steady prices to a slight advance: 52 tins Seychelles sold, comprising first, 5½ in. to 7½ in., 12*s.* 3*d.* to 13*s.* 6*d.*; 3½ in. to 5½ in., 11*s.* to 11*s.* 6*d.*; split firsts, 9*s.* 9*d.*; and ordinary split, 8*s.* 9*d.*; 79 tins Ceylon sold, including good first, 7½ in. to 8 in., 11*s.* to 12*s.* 6*d.*; 6 in. to 6½ in., 10*s.* 6*d.* to 11*s.* 6*d.*; fair slightly foxy, 6 in. to 7½ in., 7*s.* 6*d.* to 9*s.*; 5 in. to 5½ in., 8*s.*; foxy, 4 in. to 7 in., 8*s.* to 8*s.* 6*d.*; split firsts, 8*s.* 6*d.* to 9*s.* 6*d.*; and foxy, 7*s.* to 7*s.* 9*d.* per lb.

Vanillin has improved in value to 72*s.* 6*d.* to 75*s.* per lb. for spot supplies.

Vermilion.—Makers have reduced their prices, following on the fall of mercury, to 5*s.* 4*d.* to 5*s.* 5*d.* per lb., according to quantity.

Wax (Japanese).—Business in "first three brands" is reported at the cheaper rates of from 87*s.* 6*d.* to 85*s.*, and in "equal to first three brands" at 82*s.* 6*d.* per cwt.

Witch-hazel-leaves.—In view of the good-sized quantities which have recently arrived usual quality is now offered at 9*d.* per lb.

The Position of Quinine.

Another week has elapsed without bringing relief, now long overdue, to the unsatisfactory situation prevailing in the quinine market in this country. Departmental delay in announcing a modification of the existing form of control is being succeeded apparently by departmental indifference to the main question at issue. Indeed, what else are we to think when the main issue has to do with not so much the question of what is or going to be the price of quinine sulphate in this country, as with the question of what is going to be the position generally of the London quinine market. The importance of the market needs no demonstration; the large export trade in quinine which this country has had in the past speaks for itself, and indicates what disastrous results departmental procrastination may lead to. The position at the moment would be satisfactory enough from all points of view were it not for unwarranted Government interference; while with regard to the future we have in any case considerable assurance that for some years to come all will be well with the London quinine market once the Government realises its impotence and refrains from interference with the future supplies. Quinine differs from the supply of other commodities in so far as the article concerned is a monopoly in the hands of a foreign country, and can only be obtained through the channels of ordinary international commerce at the seller's own price without pressure from competitive sources. In fact, the matter is one which can only be properly settled between the Dutch and the trade in this country. Meanwhile, so far as the British Quinine Corporation are concerned, every endeavour possible has been made to smooth over present difficulties. No blame can be laid at their door, or on the shoulders of the Corporation's executive for the existing state of affairs. They are in no way responsible for what may be almost described in the circumstances as a purely departmental muddle.

German Drug and Chemical Market.

The market report for October 3 of one of the leading Hamburg drug houses states that the past month was marked by very great activity. Prices continue to increase, a tendency due to the continued depreciation of the German currency in the case of articles imported from abroad, while in the case of German manufactures this is due to the continuous increases in wages and expenses, and also to the dearth of coal. "Unfortunately the formerly proverbial accuracy and punctuality of the German post, telegraph and telephone services has become a thing of the past, and even express telegrams or urgent telephonic messages are scarcely delivered in the same time as formerly was taken for ordinary messages." Prices given are for one kilo.

Acetic Acid.—80 per cent. at m.7 duty paid, cash, is cheap, and is being bought by foreign countries.

Anise Oil (Star).—Scarcely any demand, and quoted at m.85.

Benzaldehyde almost free from chlorine has declined to m.37.50 and to m.35 cash, on orders for 100 kg.

Benzoic Acid is in great demand, and the price is now m.26 cash.

Borax.—The tremendous demand and the difficulty in obtaining supplies have raised the price to m.8.50 for pure crystals, m.8.75 for granulated, and m.9 for powder, cash, exclusive of package.

Boric Acid.—Short supplies and increased demand have raised the price to m.14.25 for crystals, and m.14.50 for powder.

Caffeine (Pure).—Now that the demand has declined and dealers apparently hold considerable stocks the upward tendency has stopped.

Chamomiles.—The harvest in Germany and in Hungary was bad and small. Owing to re-purchases by the growers the price has increased to m.15 for ordinary, m.16 for middling, and m.17 for good quality.

Citric Acid.—Repeated increases by makers have raised the price to m.56 for cash. Supplies are short, and there is an increasing demand, so that a further rise is probable.

Coumarin.—Makers have again raised the price, and in Hamburg m.375 is being paid. England is now appearing on the market as a purchaser.

Cream of Tartar.—99 to 100 per cent. It is advisable to purchase at the present price of m.25. Short supplies and a fair demand make a rise seem probable.

Glycerin (White).—23°, sp. gr. 1.23, is readily purchased at m.14.50 cash, and at m.14 a kilo. on orders of 1,000 kg.

Heliotropin.—Owing to increased demand now realises m.400 cash.

Menthol is now cheaper in Germany than abroad, and is being purchased by foreign buyers at m.375 cash in lots. America is now buying in the German market.

Milk-sugar is in great demand at m.18.50, but supplies are very scarce.

Quillaia has been extensively purchased at m.18 gross for net weight, and shows signs of becoming scarce. Powdered commands m.20, and very small supplies are forthcoming.

Salicylic Acid.—Considerable transactions, partly of a speculative nature, have raised the price to m.22. A slightly yellow quality is obtainable at m.18. Prices show a rising tendency. London parity is about m.27 per kilo.

Sandalwood Oil, East Indian.—A few kilos. have been offered at m.350. West Indian oil at m.165 cash is in regular demand.

Tartaric Acid has also increased in price, and is now offered at m.28 for crystals, and m.29 for powder. Supplies are scarce, and foreign buyers are willingly paying higher prices owing to lack of stocks.

Terpineol has increased to m.65 cash.

Theobroma Oil.—Pure filtered quality in blocks now offered at m.32, exclusive of package, is cheaper than Dutch quotations.

Vanillin has recently been in very great demand, and prices are rising. Makers have again increased their prices, while issuing only very small supplies.

It is interesting to note that in this latest market report many of the prices are quoted for cash on delivery.

Arrivals of Drugs, Chemicals, and Allied Produce.

The following arrivals have taken place at the ports named :

London

(Sept. 30 to Oct. 6).

Almonds, (Mor.) 2,430 bgs. 412 pkgs., (Sp.) 2,003 bgs. 391 bxs.
Barytes (Sp.), 350 brls. 2,700 bgs.
Bronze powder (N.Y.), 13 cks.
Carbou, black (U.S.), 50 brls.
Casein, (B'bay) 67 bgs., (N.Z.) 3,419 bgs.
Chemical products :
Barium chlor. (Fr.), 20 brls.
Boric acid (It.), 400 brls.
Butyric acid (U.S.), 40 cbys.
Calc. cit. (W.I.), 260 bgs.
Milk sugar (Amst.), 100 cs.
Tartar, (It.) 7 pkgs., (Sp.) 65 brls
Tartaric acid (It.), 50 brls.
Zinc oxide, (Antw.) 30 brls., (R'dam) 50 cs.
Zinc sulphate (R'dam), 32 cks.
Drugs, crude : herbs, (It.) 48 bls., (R'dam) 120 bls.
Aloes (N.Y.), 30 cs.
Benzoin (S.S.), 216 cs.
Cardamoms (E.I.), 47 cs.
Camphor, (Natal) 6 cs., (Jp.) 150 cs.
Cod-liver oil (R'dam), 50 cs. 59 cks.
Galangal (Ch.), 50 bls.
Galls (Ch.), 119 cs.
Juniper berr. (It.), 89 bgs.
Liquorice-paste (Sp.), 45 cs.
Liquorice-root (It.), 4 bgs.
Menthol (Antw.), 10 cs.
Rhubarb (Ch.), 10 cs.
Senna (Tinn.), 35 bls.
Tuba root (S.S.), 32 bgs.
Turmeric (B'bay), 204 bgs.
Drugs, medicines, etc. : not described (U.S.), 81 cs. 100 bxs. ; Angier's emul.(U.S.), 1,236 bxs. ; fig syrup (U.S.), 4,500 cs.
Dyes, dyeing and tanning materials, etc. : aniline (Belg.), 78 cks. ; chestnut ext. (U.S.), 1,133 brls. ; cochineal (Canar. Is.), 10 bgs. ; extract, dye (Fr.), 200 cs. ; logwood ext. (U.S.), 200 cs. ; myrabolans (E.I.), 1,600 pockets ; sumac (Sic.), 550 bgs. ; wattle bark (Natal), 17,233 bls.
Egg products : albumen (Ch.), 519 cs. ; whole egg (dried), 280 cs. ; (spray) 208 cs. ; yolk, (powder) 1,870 cs. 21 cks., (liquid) 1,677 cks. 100 brls.
Gelatin (R'dam), 120 bgs.
Glucose (U.S.), 57 brls.
Glycerin (R'dam), 20 drms.
Gums, resins, etc. : not described, (Moroc.) 91 bgs., (B'bay) 36 bgs. ; copal, (Natal) 37 cs., (S'pore) 300 cs., (Antw.) 931 bskts. ; damar (S'pore), 600 cs. ; euphorbia (Mor.), 228 sks. ; gambier (S'pore), 399 cs. ; lac : shell (B'bay), 3 cs. ; stick (S'pore), 130 cs. ; resin, (U.S.) 500 brls., (Port.) 234 cks. ; sandarac (Mor.), 194 bgs.
Lead, white (U.S.), 1,120 kgs. 27 brls.
Lime-juice (W.I.), 1 pp. 137 puns. 12 drms. 101 hhds. 387 cks.
Lithopone (U.S.), 200 brls.
Molasses (W.I.), 119 puns.
Oils, essential : (Sp.) 9 drms. : anise, star (Ch.), 560 cs. ; cassia (Ch.), 10 cs. ; lemongrass (Coch.), 15 drms. 125 cs. ; lilac (U.S.), 12 drms. ; lime (W.I.), 49 cs. 8 drms. ; turpeutine (Swe.), 125 cks.
Oils, fixed : coconut, (Holl.) 2,932 brls., (S.S.) 841 pps. 10 hhds. 2,260 cs. 722 brls. ; cottonseed (Ch.), 103 drms. ; fish, (Port.) 7 brls., (Cochiu) 610 cs. ; ground-nut, (Ch.) 2,050 cs., (Jp.) 1,000 cs. ; olive (Sp.), 130 brls. ; soya bean (Ch.), 2,232 cs. ; sperm, (P. Natal) 57 drms., (Azores) 71 brls. ; tea (Ch.),4,500 cs. ; whale (Azores), 13 brls. ; wood (Ch.), 200 drms. 62 cks. 6,741 cs.
Perfumery (Fr.), 18 cs. 3 cks.
Quicksilver, (It.) 1,000 botts., (Amst.) 7 cs.
Seeds : apricot (Ch.), 211 bgs. ; canary (Moroc.), 1,488 bgs. ; caraway, (Moroc.) 35 bgs., (Holl.) 194 bgs. ; copra, (Cey.) 6,231 bgs., (S.S.) 19,377 bgs., (S Amer.) 165 bgs. ; coriander (Mor.), 700 bgs ; cotton (B'bay), 15,298 bgs. ; cumin (Mor.), 6,912 bgs. ; dari (Mor.), 910 bgs. ; fenugreek (Mor.), 1,526 bgs. ; groundnuts, (U.S.) 1,000 bgs., (Ch.) 1,132 bgs. ; lin, (Mor.) 2,222 bgs., (E.I.) 4,878 bgs., (Ch.) 3,087 bgs., (Jp.) 315 bgs. ; millet, (Mor.) 1,858 bgs., (U.S.) 448 bgs., (Natal) 100 bgs. ; mustard (Amst.), 125 bgs. ; rape (Ch.), 397 bgs. ; sesame (Ch.), 32 bgs. ; soya (Jp.), 936 bgs.
Soy (Ch.), 50 cks.
Spices : arrowroot (St. V.), 2,811 brls. ; cassia (Ch.), 7,065 cs. 250 bls. ; ginger (E.I.), 318 bgs. ; nutmegs (S.S.), 100 cs. 50 bxs. ; pepper (E.I.), 6,273 bgs.
Starches, etc. : dextrin, (R'dam) 21 bls., (U.S.) 440 bgs. ; farina (Jp.), 672 bgs.
Wax, not described (Moroc.), 60 bgs.
Wax, bees' (Moroc.), 53 bgs.
Wax, paraffin (U.S.), 1,233 brls. ; (scale), 460 brls.

Liverpool

(Sept. 27 to Oct. 3).

Almonds (Sp.), 350 cs. 20 cks. 170 bgs. 50 bxs.
Barytes (N.Y.), 87 brls.
Bronze powder (Can.), 69 cs.
Casein (S. Amer.), 204 bgs.
Chemical products :
Acetic acid (Ch.), 20 brls.
Arsenic (Antw.), 62 cks.
Barium sulph. (Sp.), 180 brls. 660 sks.
Borax (N.Y.), 1,535 sks.
Calc. borate (South Amer.), 5,847 bgs.
Lead carb. (U.S.), 45 cks.
Nickel oxide (Can.), 222 brls.
Pot. chloride(R'dam), 7,267 bgs.
Pot. sulph. (R'dam), 1,500 bgs.
Saltpetre (Cal.),1,000 bgs.
Soda bichrom. (New York), 18 cks.
Soda formate (Fr.), 11 pkgs.
Soda nit. (Chile), 10,174 bgs.
Soda phosph.(Antw.), 67 cks.
Tartar (Fr.), 68 cks.
Zinc oxide (N.Y.), 101 brls.
Drugs, crude : roots and leaves (Fr.), 18 bls.
Cascara (N.Y.), 399 bgs.
Cinchona (Mollendo), 102 bls.
Cod-liver oil (St. John's, N.F.), 110 cks. 80 brls.
Gentian (Fr.), 45 cks.
Ipecacuanha, (Rio.) 6 bls., (Monte Vid.) 175 bls.
Liquorice-root (Fr.), 8 pkgs.
Opium (Tky.), 60 cs.
Drugs, medicines, etc. : not described (N.Y.), 53 pkgs. : vaselin (N.Y.), 45 cs.
Dyes, dyeing and tanning materials, etc. : aniline dyes (N.Y.), 12 pkgs. ; cutch, (S'pore), 1,049 bxs. ; dye products (N.Y.), 41 brls. : extract tanning (S'pore) 1,801 bgs. 901 cks., (Fr.) 987 cks., (U.S.) 1,194 brls. 900 bgs. : hematin crystals (U.S.), 96 brls. ; logwood ext. (U.S.), 70 brls. 200 bxs. ; myrabolans (E.I.) ; 2,704 bgs ; myrabolans ext. (E.I.), 184 cks. ; quebracho ext. (S. Amer.), 21,333 bgs. 2,870 brls.
Egg products : albumen (Ch.), 216 cs. 134 cks. ; albumen and yolk (Ch.), 70 pkgs. ; whole egg (Ch.), 17 pkgs. ; yolk (Ch.), 1,520 pkgs. 100 cs. ; (liquid). 500 cks.
Glucose (Can.), 1,250 brls. 3,000 cs.
Gums, resins, etc. : not described (Fr.), 4 brls. ; copal (S'pore), 100 cs. ; gambier (S'pore), 2,684 cs. ; resin, (Sp.) 40brls., (Fr.) 1,894 cks., (U.S.) 6,332 brls.
Oils, essential : geranium (Fr.), 6 cks. ; otto of rose (Cstple.), 2 cs.
Oils, fixed : coconut, (U.S.) 4,738 brls., (Jp.) 1,500 cs., (S'pore) 283 brls., (Cey.) 110 hhds. 43 pns. 68 pps. ; cod (St. John's, N.F.), 63 cks. ; cottonseed. (Ch.) 149 drms. 2,000 cs., (U.S.) 300 brls. : copra (Jp.), 1,000 cs. ; ground-nut, (Ch.) 291 cks., (Jp.) 7,300 cs. ; hardened (Jp.), 3,489 cs. ; olive (Fr.), 67 cks. ; seal (St. John's, N.F.), 624 cks. ; soya, (Jp.) 10,000 cs., (Halif.) 100 cs..(U.S.) 2,833 brls. ; tea (Ch.), 5,955 cs. ; whale (St. John's N.F.), 53 cks. ; wood (Ch.), 147 cks. 6,556 cs.
Perfumery (Fr.), 14 cs.
Seeds ; caraway (R'dam). 356 bgs. ; copra, (S'pore) 17,944 bgs., (Jp.) 1,610 bgs., (Cey.) 4,474 bgs. ; ground-nut,(S'pore) 979 bgs., (Ch.) 3,453 bgs., (B'bay) 8,150 bgs., (Fr.) 710 bgs., (U.S.) 600 bgs. ; illipe (S'pore), 4,228 bgs. ; kurdee (B'bay), 280 bgs. ; lin, (Ch.) bgs., (E.I.) 26,338 bgs. ; millet (U.S.), 100 sks. 250 bgs. ; rape (Ch.), 2,572 bgs.
Spices : cassia (Ch.), 12,985 cs. ; cinnamon, (S. Amer.) 325 bls., (Cey.) 50 bls. ; pepper (S'pore). 1,489 bgs.
Starches, etc. : dextrin (Jp.). 200 bgs. ; farina (Jp.), 2,408 bgs. ; rice (Belg.), 800 cs ; wheat (Jp.), 300 bgs.
Talc (Fr.), 200 bgs.
Wax, bees', (Can.) 40 cs., (Fr.) 34 bgs., (Chile) 134 sks.
Wax, paraffin, (S.S.) 2,720 bgs. 1,130 brls., (U.S.) 733 bgs. 274 brls. ; (scale), 1,902 brls.
Wax, white (R'goon), 800 bgs.

Hull

(September 20 to 24)

Acetone (N.Y.), 29 drms. ; barytes (Ghent), 302 bgs. ; boric acid (N.Y.), 100 bgs. 150 sks. 650 cks. 300 kgs. : borax (N.Y.), 3,982 sks. ; carbon black (N.Y.), 48 cs. ; copal, gum (Antw.), 416 bgs. ; essential oils (Holl.), 8 cs. ; formaldehyde (N.Y.), 153 brls. ; honey(W.I.),57 brls. ; molasses, (N.Y.) 1,800 brls., (W.I.) 500,000 gals. ; myrabolans (E.I.), 2,600 tons ; nitrobenzene (N.Y.), 10 drms. ; resin (Fr.), 76 cks. 100 brls.
Seeds : caraway (Holl.), 160 bls. ; cotton (E.I.), 181,631 bgs. 313 tons ; lin, (E.I.) 55,004 bgs., (R. Plate) 169,955 bgs. ; rape (E.I.), 2,462 bgs.

(September 26 to 29).

Ammonia (Austral.), 34 cyl. ; barytes (Antw.), 100 bgs. ; copal gum (Antw.), 982 bgs. ; dextrin (R'dam). 10 bls. ; essential oils (Sic.), 60 × ½ cs. ; eucalyptus oil (Austral.), 90 cs. ; olive oil (Sp.), 120 brls. ; palm oil (Antw.), 101 cks. ; peppermint oil (R'dam), 100 cs. ; pota. chloride (R'dam), 4,142 cks. ; seeds : cotton (E.I.), 80,122 bgs. 1,000 tons ; ground-nuts (E.I.), 38,100 bgs. ; lin (R. Plate),117,928 bgs. millet (It.), 100 bgs. ; rape (E.I.),5,737 tons ; sumac (It.), 500 bgs. : tartaric acid (Sic.), 54 brls.

Manchester

(September 20 to 23).

Farina (R'dam), 550 bgs. ; oxalic acid (R'dam), 15 cks. ; palm kernels (W. Af.), 16,653 bgs. ; palm oil (W. Af.), 2,182 cks.

(Sept. 26 to Oct. 1).

Acetic acid (N.Y.), 54 brls. ; calc. phosph. (U.S.), 93 brls. ; carbon, black (N.Y.), 250 cs. ; cottonseed (E.I.), 5,600 pkts. ; dyewood ext. (N.Y.), 30 brls. ; eosin (N.Y.), 28 brls. ; farina (R'dam), 901 bgs. ; glucose (N.Y.), 1,500 brls. ; lead, white (N.Y.), 22 cks. ; lithopone (R'dam), 200 cks. ; magnesite (E.I.), 3,285 bgs. ; resin(U.S.),500 brls. ; tannin (N.Y.), 10 cs. ; tartar emetic (N.Y.), 32 cs. ; vaseline (N.Y.), 62 brls. ; wax, paraffin (N.Y.), 408 bgs.

Newhaven

(September 27 to 29).

Drugs (Fr.), 64 pkgs. ; gelatin (Fr.), 60 sks. ; perfumery (Fr.). 79 pkgs.

Preston

(September 29).

Palm kernels (W. Af.), 36,209 bgs. ; palm oil (W. Af.), 24 cks. 100 puns.

Southampton

(Sept. 27 to 30).

Casein, (N.Y.) 9 pkgs., (Fr.) 133 bgs. ; chemicals and drugs (N.Y.), 1,396 pkgs. ; drugs (Fr.), 10 cs. ; honey (N.Y.), 138 pkgs. ; petroleum jelly (N.Y.), 426 ; pkgs. ; tartar (Fr.), 45 pkgs.

Java Annatto-seed.

Orlean, largely used for colouring butter and cheese, is obtained from annatto, the name under which the seeds of *Bixa Orellana*, Lin. are known, a tree indigenous to Brazil, but met with in all tropical countries. In 1828 Rumphius advocated planting this useful tree along all the roads in Java on account of its valuable colouring material, and it is extensively used to enclose coffee plantations, as it has been found effective in preventing coffee leaf disease. It offers no prospects as an object of cultivation, but the increasing prices for this colouring matter have not been without influence in enhancing its market value. It was first mentioned in the Batavia market reports in 1911, when the price was seven to eight florins a picul ; in July 1912 the price had risen to 14 florins a picul. During the past years the following amounts (in kilos.) of annatto seed were exported from Java :

	1913	1914	1915	1916	1917
Exports to Holland ...	57,562	30,098	92,902	18,711	—
Great Britain	—	—	95,782	18,529	50,869
France	12,536	16,833	6,416	7,021	—
Germany	109,756	—	—	—	—
Denmark	—	7,002	—	30,325	—
	179,854	53,933	195,102	74,586	50,869

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

What is Profiteering?

Sir,—In the article on "Profiteering Proceedings" (*C. & D.*, October 11, p. 58) you imply that the proviso in Section 1 (2) of the Act is a definition of profiteering, and say that "retailers are thus placed on the same basis as landlords in respect of rent" (who cannot increase the amount of rent in many cases). I suggest that, though this statement may be useful as a warning, it embodies an unduly pessimistic view of the Act. I think the Act contains no definition of an unreasonable profit, and that it is left open to the various Committees to decide whether the profit is in any particular case, "in view of all the circumstances, unreasonable," except where the rate of profit is not more than the pre-war profit, in which case, though the rate may be a high one, the Committee have no power to decide that it is unreasonable. Is not the position analogous to that under the Food and Drugs Acts? Section 9 of the 1875 Act (the label section) affords the seller a means of notifying the buyer that what is sold is different from what was asked for; but it is not the only means—the seller may rely on a verbal notice or a notice exhibited in the shop, although his label may be useless as a defence. Under the Profiteering Act I suggest that the seller may prove (1) that his profit is not unreasonable, or (2) that it does not exceed the pre-war rate of profit; either of these appears to be a complete defence, and it is not necessary to prove both. I should like to point out that the Act says "rate of profit," not "amount of profit." A 20-per-cent. rate of profit on 2*s.* 6*d.* is 6*d.*; the same rate of profit on 5*s.* is 1*s.*—the amount is increased, the rate is the same. If the wholesale price has increased since 1914, the Act allows the retailer to increase his price proportionately.

Yours truly,

21 Lime Street, London, E.C. 3. Cyril H. Kirby.

Sir,—That the price of drugs and manufactured articles connected with medicine and pharmacy must inevitably be increased is a statement we have seen emphasised in the *C. & D.* from time to time, and in these days of potential profiteering justiciaries it would be well for pharmacists of undoubted business ability to form themselves into a league to protect their own and their colleagues' interests. Every issue of the *C. & D.* records increases in specified articles, and soon the increases in employés' wages and shorter hours of work will make the cost of production proportionately higher. Both these reforms are long overdue, and it is to be regretted that in many cases nothing short of legislation will bring about better conditions for qualified and unqualified pharmaceutical employés. At the same time, the employers' profits must not be allowed to remain at or near the pre-war level (as "Xrayser II." mentions in the *C. & D.*). We have various price-lists for the retailer, good enough in their way, but none just comprehensive enough. We must ensure such profits as will fully cover the rising cost of business expenditure, overhead charges, etc., in addition to imminent wage increases; and a very important factor is, we must be remunerated, both as employers and employés, for years of study and much expenditure in hard cash before qualifying. To improve pharmacy it is essential to increase prices, profits, and wages.

Yours truly,

Scotus. (8/19.)

Sir,—After reading the various articles in the lay Press on the subject of profiteering, it seems to me that the attitude adopted is to take the cost price in bulk, add a profit of 15 to 20 per cent., and then apply the rule to small quantities, without any allowance for weighing, packing, labelling, etc. The grocer who charged 5*d.* an ounce for pepper was admittedly high, judging by his cost price of 2*s.* 1*d.* a lb.; a fair price would have been 3*d.* in ounce quantities. It is difficult to say what attitude the Tribunals will adopt, but if they are going to decide against the retailer getting a large margin on small parcels, then it behoves chemists to come into line and stop the foolish practice of cutting unprotected patents and other competitive lines to cost, as is frequently done even now in some districts. Now is the time for the face-value campaign to come into its own, and I would suggest that those proprietors who will not agree to allow a living profit to the retailer should be given a free course of the "lin. alb. treatment" *bene infricandum*. In most businesses the retailer allows a large profit on certain lines which are not in frequent demand, or which require more trouble in retailing, in order to recoup himself for the small margin on advertised or quick-selling lines; and unless the chemist settles on some fair system of pricing he will find that his profit on dispensing is cut by the Insurance Committee, his profit on proprietaries by price cutting, and next his profit on drug sales and sundries will be lowered to vanishing-point by the Profiteering Tribunals. Then, again, it is difficult to explain what is a fair rate of profit compared to pre-war conditions. If an article cost 9*d.* and sold for 1*s.* pre-war prices, and it now costs 1*s.* 6*d.*, are we to sell it for 1*s.* 9*d.*, still obtaining 3*d.* profit? Personally, I should charge 2*s.*, as, having laid out double the money, I expect to get an equivalent return. Can you see a workman putting in two hours' labour, which is his stock in trade, for the price of one, or can you imagine an investor accepting 5*l.* only as interest when he buys 200*l.* worth of War Bonds instead of 100*l.* worth? I suggest that the secretaries of all local Associations should put it to their members that they should agree to a definite system of pricing, face value for patents, 33⅓ per cent. on sundries and appliances, and a graduated scale for small quantities of drugs, such as Mr. Philip's "Standard" price list.

Yours faithfully,

A Fair Prophet. (541/1.)

Grants to Demobilised Men.

Sir,—The troubles of demobilised men applying for Government training seem to follow them even into the schools of pharmacy. I started my course of training on October 1, and now find the first money payment will not be made until about November 9. I shall be glad of any advice as to how I am to keep my wife and family, pay for my own apartments and board, and buy the necessary text-books in the interval. I should also be glad to know if text-books come within the scope of the Profiteering Act. In the Educational Issue (August 16) you gave a very useful list of text-books, with prices, including Newth's "Text-book of Inorganic Chemistry," priced at 6*s.* 6*d.* On inquiry I am informed that the price has gone up by easy stages to 7*s.* 6*d.*, then 9*s.*, and now 10*s.* 6*d.*, three advances, but no new edition since August 16. Is this the publisher's gratitude to the large number of demobilised men who, having done their bit, are now receiving their country's reward in the schools and colleges of the country?

Yours sincerely,

Demobbed. (57/6.)

"The Secrets of Salerno."

Sir,—I am a little afraid of your correspondent "L." (*C. & D.*, October 4, p. 95), for he seems to know what he is talking about. As authority for suggesting that the "Secrets of Salerno" MSS. now in the Royal Irish Academy is written in Norman French I can only quote M. Joret ("Romania," xvi., 1887, p. 591), "ce manuscrit est l'œuvre d'un Bas Normand." On the other hand, Camus considered the dialect of the Modena MS. that of the North of France. The Dublin and the Modena MSS. agree well in general, but there are many verbal differences. I quote Esposito:

At times the Dublin MS. gives a more correct reading than the Modena one. Thus, in the article *Apium*, where the Modena text has the corrupt "*Et je Plentaire ay veu par excellence*" ("Camus," *loc. cit.*, p. 66), the Dublin MS. reads correctly "*Et je Plateaire*," etc. (f. 5a, col. 2, line 14). The addition in the Modena MS. of the words "*un nouvel acteur appellé Gentil*" not found in the original Latin of Platearius, in the chapter *Soldanca* ("Camus," p. 66), does not occur in the Dublin copy (f. 187 ab); but another interpolation not in the Latin, in the article *Spinacchia*, "*un auteur appellé Tacuin*" ("Camus," p. 66), does occur (f. 187b, co. 2, l. 7). It is worthy of note that the form "*experimentateur*," which occurs in the Modena MS. in the article *Coronaria* ("Camus," p. 67), appears in the Dublin copy (f. 60b, col. 1, l. 31) as "*experimenteur*."

The treatise contains the names and descriptions of nearly 500 plants. It is thus easy to realise its interest and value to students of mediæval French lexicography and to those of the history of botany. The name of the French translator is unknown. His language (as judged from the Dublin and Modena MSS.) suggests that he is to be assigned to the late fourteenth or to the early fifteenth century ("Camus," p. 67), and to Northern France.

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J. Wellesley Douglas.

164 Lambeth Walk, London, S.E.

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Yours faithfully,

Nomen. (126/10.)

Miscellaneous Inquiries.

L. A. W. (46/29).—Manufacture of Cider.—Fruit which ripens in October is best for the purpose of making cider, and each variety of apple should be kept separate if the best product is desired. In gathering the fruit, which should be done on a cool dry day, care must be taken not to bruise the apples, as moulds form on the bruised fruit and communicate a fusty flavour to the cider. The fruit is stored in shady, cool rooms until quite ripe. It is then ground to a pulp between the rollers of a mill. The pulp, called "pomace," is exposed to the air for a period varying from six to thirty hours, after which it is put into a hydraulic press between hair-cloths and the expressed juice run into vats to clear. This liquid, known as "must," is exposed in large vats in cool cellars, where it undergoes fermentation, the process being attended by much frothing. Dregs and scum are removed by racking and filtration. Catechu or substances of like nature are used to precipitate albuminous and gummy matters. The ciders of different orchards are blended at this stage to make a uniform product, and undue acidity is neutralised by alkalis. Most makers add a pint of milk to every 9 gals. for "fining," and about 1 oz. of salicylic acid to every 96 gals. as a preservative. The cider is then put in bottles or barrels and transferred to cool, dry, and airy cellars to mature.

J. B. B. (45/6).—There is no full reciprocity of pharmaceutical qualifications between this country and Canada. The British Minor certificate is accepted as entitling the holder to act as a "clerk" or assistant to a registered chemist. British chemists who have passed the Canadian examinations have told us that the test is not a difficult one to those who have passed the Minor recently.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Oct. 15, 1869.

Metric Measures.

Thank Heaven and the Standards Commission, we may still buy our coals by the ton, our potatoes by the pound, and our tobacco by the ounce. The right of every free-born Briton to his barrel of beer, his puncheon of rum, his quart of whiskey, his pint of sherry, his half-pint of porter, his quartern of gin, and his gill of vinegar, is still preserved to him through the efforts of such men as Sir Edward Sabine, the President of the Royal Society; the late Thomas Graham, the Master of the Mint; G. B. Airy, the Astronomer Royal; Professor W. H. Miller, of Cambridge; and three or four other gentlemen of similar eminence. Pharmacists may, therefore, rest easy, and need be under no apprehension that the old-fashioned and favourite pound, ounce, and grain—gallon, pint, and minim—are to be ousted from their ancient resting-places in favour of the kilogramme, centigramme, litre, decilitre, or cubic centimetre. They are already aware, no doubt, that an Act was passed last session graciously permitting them, in company with all other traders, to use the litre, metre, and kilogramme instead of the pint, yard, and pound; but possibly they have used the same exclamation as the sailor did who, when he saw written up in a church the solemn warning that a man may not marry his grandmother, remarked loudly to a shipmate, "Who the deuce wants to!"

THE CHEMIST AND DRUGGIST

42 CANNON ST. LONDON, E.C.4.

SUPPLEMENT

OCTOBER 18, 1919

This Supplement is inserted in every copy of The Chemist & Druggist

THE SUPPLY OF SUPPLEMENTS.

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note therefore that, in future, instructions can be accepted for not more than six weekly copies of the Supplement at a time, and that in every case

STAMPED AND ADDRESSED WRAPPERS

must be sent—not stamps only as hitherto.

ARLIER CLOSING FOR PRESS.

Will advertisers please note that until further notice it will be necessary that Advertisements

ided for the Supplement must a us not later than the **FIRST POST THURSDAY MORNING.**

CHEMISTS' TRANSFERS.

essrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No.: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

ITY.—For Disposal, old-established Wholesale Drug Busi- ncluding several specialities; returns last year £15,000; *profit* £2,315, *and the net* £1,000; price £1,450.

INSBURY PARK (Near).—Good-class Retail and Dispens- siness; returns upwards of £2,000; scope for develop- well-fitted shop and comfortable residence; no near oppo- price to be agreed.

ONDON, S.W.—Ready-money Retail, with N.H.I. Dispens- turns £28 weekly; *net profit* 25%; convenient residence; 50; terms, goodwill £50, plus valuation of stock and

ONDON, S.W.—Light Retail Business; established many eturns, present rate, £23 weekly, at good prices; small e, side entrance; held on lease at a moderate rental; out £400.

GHBURY (Near).—Ready-money Business, situate in busy id; returns between £1,000 and £1,100; *gross profit* use has 8 rooms; rent £50; price £800.

UTH OF ENGLAND.—Good-class country Retail Business; about £1,000 yearly, increasing; *net profit* 40%; every tion invited; good residence; small garden; rent £50; lease; price £750.

ONDON, N.—Cash Retail Business, established 40 years, present hands 29; returns about £1,000 per annum; t £300; 7-roomed house, private entrance, rent £50; 50.

8.—LANCS.—Light Retail Business; returns, present rate, £1,000 per annum, increasing, at good prices; [illegible]; held on lease; rent £31 4s.; valuation terms entertained; from £575 to £400 required to purchase.

9.—NORTH STAFFS.—Ready-money Retail Business; established many years; returns approach £2,500; full investigation invited; rent £30; vendor will consider a reasonable offer.

10.—WEST OF ENGLAND.—High-class Dispensing and Retail Business; returns between £4,000 and £4 500 per annum; *gross profit* 45%; well-fitted shop; further particulars will be furnished on receipt of a banker's reference.

11.—SUSSEX.—Good-class Retail and Dispensing Business; established many years; returns last year exceeded £1,800; *net profit* £576; comfortable residence; large garden; rent £50; valuation terms entertained.

12.—KENT (Vendor Retiring).—Good-class Retail and Dispensing Business; returns over £3,000, at good prices; scope for development; capital opening for two energetic young men to join in partnership; further details on application.

13.—MANCHESTER (Within Easy Distance of).—Ready-money Retail Business; returns about £1,400 per annum, at fair prices; lock-up shop; rent £27 10s.; no near opposition; price £800.

14.—INLAND HEALTH RESORT.—Good-class Retail and Dispensing Business; turnover this year will exceed £2,000, at fair prices; scope for considerable increase; small residence; held on lease; terms, valuation of stock and fixtures.

ALUATIONS FOR STOCKTAKING.

R. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone Profit, the ss of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

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Nomen. (126/10.)

Miscellaneous Inquiries.

L. A. W. (46/29).—Manufacture of Cider.—Fruit which ripens in October is best for the purpose of making cider, and each variety of apple should be kept separate if the best product is desired. In gathering the fruit, which should be done on a cool dry day, care must be taken not to bruise the apples, as moulds form on the bruised fruit and communicate a fusty flavour to the cider. The fruit is stored in shady, cool rooms until quite ripe. It is then ground to a pulp between the rollers of a mill. The pulp, called "pomace," is exposed to the air for a period varying from six to thirty hours, after which it is put into a hydraulic press between hair-cloths and the expressed juice run into vats to clear. This liquid, known as "must," is exposed in large vats in cool cellars, where it undergoes fermentation, the process being attended by much frothing. Dregs and scum are removed by racking and filtration. Catechu or substances of like nature are used to precipitate albuminous and gummy matters. The ciders of different orchards are blended at this stage to make a uniform product, and undue acidity is neutralised by alkalis. Most makers add a pint of milk to every 9 gals. for "fining," and about 1 oz. of salicylic acid to every 96 gals. as a preservative. The cider is then put in bottles or barrels and transferred to cool, dry, and airy cellars to mature.

J. R. B. (45/6). There is no full reciprocity of pharmaceutical qualifications between this country and Canada. The British Minor certificate is accepted as entitling the holder to act as a "clerk" or assistant to a registered chemist. British chemists who have passed the Canadian examinations have told us that the test is not a difficult one to those who have passed the Minor recently.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Oct. 15, 1869.

Metric Measures.

Thank Heaven and the Standards Commission, we may still buy our coals by the ton, our potatoes by the pound, and our tobacco by the ounce. The right of every free-born Briton to his barrel of beer, his puncheon of rum, his quart of whiskey, his pint of sherry, his half-pint of porter, his quartern of gin, and his gill of vinegar, is still preserved to him through the efforts of such men as Sir Edward Sabine, the President of the Royal Society; the late Thomas Graham, the Master of the Mint; G. B. Airy, the Astronomer Royal; Professor W. H. Miller, of Cambridge; and three or four other gentlemen of similar eminence. Pharmacists may, therefore, rest easy, and need be under no apprehension that the old-fashioned and favourite pound, ounce, and grain—gallon, pint, and minim—are to be ousted from their ancient resting-places in favour of the kilogramme, centigramme, litre, decilitre, or cubic centimetre. They are already aware, no doubt, that an Act was passed last session graciously permitting them, in company with all other traders, to use the litre, metre, and kilogramme instead of the pint, yard, and pound; but possibly they have used the same exclamation as the sailor did who, when he saw written up in a church the solemn warning that a man may not marry his grandmother, remarked loudly to a shipmate, "Who the deuce wants to!"

THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST. LONDON, E.C.4.

OCTOBER 18, 1919

This Supplement is inserted in every copy of The Chemist & Druggist

THE SUPPLY OF SUPPLEMENTS.

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note therefore that, in future, instructions can be accepted for not more than six weekly copies of the Supplement at a time, and that in every case

STAMPED AND ADDRESSED WRAPPERS

must be sent—not stamps only as hitherto.

ARLIER CLOSING FOR PRESS.

Will advertisers please note that until further notice it will be necessary that Advertisements

nded for the Supplement must :h us not later than the **FIRST POST THURSDAY MORNING.**

CHEMISTS' TRANSFERS.

essrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No.: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

OITY.—For Disposal, old-established Wholesale Drug Busi- s including several specialties; returns last year £15,000; s *profit* £2,315, *and the net* £1,000; price £1.450.

FINSBURY PARK (Near).—Good-class Retail and Dispens- usiness; returns upwards of £2,000; scope for develop- a well-fitted shop and comfortable residence; no near oppo- ic price to be agreed.

LONDON, S.W.—Ready-money Retail, with N.H.I. Dispens- eturns £28 weekly; *net profit* 25%; convenient residence; 250; terms, goodwill £50, plus valuation of stock and s.

LONDON, S.W.—Light Retail Business; established many r returns, present rate, £23 weekly, at good prices; small ic ce, side entrance; held on lease at a moderate rental; oc hout £400.

IGHBURY (Near).—Ready-money Business, situate in busy n oad; returns between £1,000 and £1,100; *gross profit* % house has 8 rooms; rent £50; price £800.

OUTH OF ENGLAND.—Good-class country Retail Business; nr about £1,000 yearly, increasing; *net profit* 40%; every es ation invited; good residence; small garden; rent £50; d lease; price £750.

ONDON, N.—Cash Retail Business, established 40 years, present hands 29; returns about £1,000 per annum; fit £300; 7-roomed house, private entrance, rent £50; ce 450.

8.—LANCS.—Light Retail Business; returns, present rate, £1,000 per annum, increasing, at good prices; rent £31 4*s.*; held on lease; valuation terms entertained; from £575 to £400 required to purchase.

9.—NORTH STAFFS.—Ready-money Retail Business; established many years; returns approach £2,500; full investigation invited; rent £30; vendor will consider a reasonable offer.

10.—WEST OF ENGLAND.—High-class Dispensing and Retail Business; returns between £4,000 and £4 500 per annum; *gross profit* 45%; well-fitted shop; further particulars will be furnished on receipt of a banker's reference.

11.—SUSSEX.—Good-class Retail and Dispensing Business; established many years; returns last year exceeded £1,800; *net profit* £576; comfortable residence; large garden; rent £50; valuation terms entertained.

12.—KENT (Vendor Retiring).—Good-class Retail and Dispensing Business; returns over £3,000, at good prices; scope for development; capital opening for two energetic young men to join in partnership; further details on application.

13.—MANCHESTER (Within Easy Distance of).—Ready-money Retail Business; returns about £1,400 per annum, at fair prices; lock-up shop; rent £27 10*s.*; no near opposition; price £800.

14.—INLAND HEALTH RESORT.—Good-class Retail and Dispensing Business; turnover this year will exceed £2,000, at fair prices; scope for considerable increase; small residence; held on lease; terms, valuation of stock and fixtures.

VALUATIONS FOR STOCKTAKING.

ess . O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone Profit, the ait of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

essrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

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NO CHARGE TO PURCHASERS.

1.—LANCS.—Light Retail, with N.H.I.; on main road; no immediate opposition; returns £1,000; low rent, on lease; 6-roomed house, bathroom, etc.; double-fronted shop; price £50 and valuation, in all about £400.

2.—LONDON, N.W.—Good middle-class suburban Retail, in good position; returns over £3 000, increasing, modern-fitted Pharmacy, heavily stocked; low rent; long lease; small residence attached; price £1,600; references required.

INTENDING VENDORS

We are in immediate want of sound businesses in all parts of England, especially London, South Coast, S.W. and Western Counties, Midlands and Home Counties, at prices ranging from £300 to £3,000. Cash buyers waiting; private register kept. Best attention and quick sales guaranteed. Terms sent on application. *Established 1870.*

BUSINESSES FOR DISPOSAL.

4s. 6d. for 50 words or less : 6d for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

MIDLANDS.—Good middle-class suburban Retail; returns £1,600, increasing; well-fitted Pharmacy, heavily stocked; rent £40; lease; house and garden attached; established 30 years; price wanted, value of stock and fixtures; satisfactory reason for disposal. Apply 124/28, Office of this Paper.

NORTH MIDLANDS.—Suburban Cash Retail; returns (under unqualified management) exceed £1,000, and are increasing nt prices above the average; qualified man could double by doing N.H.I., etc.; modern house and shop; rent £30; £700 or near offer for cash; good reasons for disposing; heavily stocked. Apply 119/2, Office of this Paper.

NORTH Midlands Manufacturing Town.—Cash Light Retail; large shop, well fitted and stocked; returns £800, increasing; plenty of scope; no immediate opposition; good, sound, profitable trade; excellent modern house and premises; main road; lease at low rent; healthy district; owner leaving the trade; references for particulars. Apply "Statim" (125/8), Office of this Paper.

SOUTH-EAST COAST HEALTH RESORT.—Light Retail and Dispensing with Photographic; good position; low rent, held on lease; returns £2,000 £2 100; bad health sole reason for selling. Apply "A. Y." (121/36), Office of this Paper.

WHITBY, YORKS.—Business for Sale; suit qualified or unqualified, or would consider offer for complete set of Drug Fixtures (mirror-backed), Wall Cases, Counters, Counter Showcases, Shop Rounds, Scales, Utensils, etc. Full particulars from Atkinson, c/o Ward, Sandsend, Yorks.

THOS. TOMLINSON & SON

CHEMISTS VALUERS TRANSFER AGENTS, AND EXPERT STOCKTAKERS,
45a MARKET STREET, MANCHESTER.
ESTABLISHED OVER HALF A CENTURY.
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BEST offers for 1 × 40 gall. cask best Linseed Oil; also 40 lb. Oil Sassafras Exot. genuine, 7*s.* 6*d.* lb.; any quantity. W. F. Johnson, Chemist, Milford Haven.

STOKES "N." Tablet Machine, power driven, recently in perfect condition, with punches and dies. James Sawyer, Ink Pellet Manufacturer, 10 Longford Road, Southp

WHAT offers? 44 Tins Diploma Tea, Coffee, and (assorted) Tablets with Sugar and Milk; carriage Church, Chemists, Cambridge.

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AUSTRALASIA.—Advertiser shortly returning desires sentation of manufacturers of goods suitable for Ch Grocers, and General Stores; excellent references. Write c/o Deacons, Leadenhall Street, E.C.

A LONDON firm, Central City position, reliable pushir cern with routined travellers and guarantee for e sales, require sole Agencies on commission of first-class facturers in Chemicals, Drugs, Essential Oils, Fats, Soaps, P ceutical and Toilet preparations; Wholesale and Shippiag competitive manufacturers need apply to 117/33, Office Paper.

ADVERTISER (37) returning to South Africa about D on completion of Government duties, desires to un publicity campaign on behalf of one (or more) high-cl prietary lines, has personally and repeatedly supervised sa house-to-house distributions, window-displays, interviews monials, etc., in over seventy towns in sub-continent Oxo, etc.), and can give statistics for publicity in all b good organiser, demonstrator, and "copywriter," and touch with Press; knows practically all South African (Wholesale and Retail); particulars and credentials at in "Mascot" (118/34), Office of this Paper.

AGENCY.—North of England, Northumberland, Cum Durham, all Yorkshire; good commission paid to man already on ground; must have good connection and recommended; our goods have already been placed, but nately our Salesman died. Apply 56/36, Office of this P

AGENTS, with connection among Chemists, Hai Drapers, etc., wanted in all large provincial centres duce quick-selling new line. Apply by letter, stating covered, to The Unique Supply Co., 153 Fleet Street, E.C. 4.

GENTLEMAN, with over 20 years' experience in ex import business shortly proceeding to New Zealand to accept Agencies for Chemists' Sundries, Packed Goo etc., on commission; highest references, commercial and good opportunity for first-class firms to open up trad "Wood" (117/9), Office of this Paper.

TRAVELLER, using own car, Cornwall, Devon, Somers Hants, Wilts, Sussex, Kent, Essex, Norfolk, Suffol Lincolnshire, requires good Side-line (Chemist's), on or fixed sum; multiplicity of articles not entertaine 123/12, Office of this Paper.

BUSINESSES WANTED.

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ERTISER wishes to purchase or have an active interest in Dispensing Business in West-End; considerable capital avail- Apply 117/30, Office of this Paper.

ERTISER requires small Drug Business with living accom- modation, suitable for unqualified, and with scope for graphy and other side-lines; country or seaside in Southern. Western, or Western Counties preferred. Lowest terms and articulars in confidence to 121/25, Office of this Paper.

ERTISER requires sound Retail Business; Yorks industrial area. or would manage business on partnership terms with to early succession. Replies, private and confidential, t s " (99/36), Office of this Paper.

SINESS wanted; cash available £1,000; state particulars, in confidence. Apply 124/25, Office of this Paper.

RMACIST-OPTICIAN requires sound Business, showing Optical scope and preferably with good house, although sential, also where part capital could remain; cash avail- 3300, remainder by arrangement. Replies, in confidence, harmacist," 72 Willow Road, Darlington.

AIL and Dispensing Business wanted in Preston or district. pply 117/4, Office of this Paper.

NTED, good sound Business for cash, £3,000 or more. ddress in strict confidence to Pinson, c/o Smith, 24 Leaming- ad Villas, Westbourne Park, W.

NTED, by Pharmacist, sound Retail Business; N.E. Lincoln- hire preferred. Apply 121/32, Office of this Paper.

TENDERS.

GUY'S HOSPITAL.

House Committee invite Tenders for the supply of Surgical and Antiseptic Dressings, also for Drugs for prompt y. A list of these, with further particulars, and form of , may be obtained at the Superintendent's Office. Tenders aled are to be sent to the Superintendent's Office not later 2 noon Monday, October 27th.

PARTNERSHIPS.

RTISER (unqualified) is desirous of Partnership in sound etail business, or position with view to purchase; prepared st £600; must bear investigation; living accommodation ential. Particulars, in confidence, to 125/20, Office of per.

IST, qualified, with sound experience in Wholesale and anufacturing, seeks Partnership in a North Country firm of turers, or would consider Partnership in a substantial usiness in the North with a view to ultimate purchase; to £2,000 capital. Apply 126/4, Office of this Paper.

LEMAN, qualified (Major), sixteen years' sound Wholesale perience with leading houses, highest City references, to meet another gentleman with view to partnership in g, Wholesale, or Manufacturing business; preference o gentleman already in going concern. Apply 123/16 this Paper.

APPRENTICESHIPS.

ENTICE.—Young lady, 18, desires to Apprentice herself Retail Chemist; indoors; London or suburbs. Full par- to "S. B.," 41 High Street, West Norwood, S.E. 27.

LEMANLY youth for high-class Dispensing business in ndon; one who has passed Prelim. preferred. Apply , Office of this Paper.

SITUATIONS OPEN.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

RETAIL.

BRADFORD.—Junior Assistant (unqualified) required for good-class Retail and Dispensing business; no Sunday duty. Apply, with full particulars of age, height, experience, and salary required (outdoors), to W. E. Metcalfe, Pharmaceutical Chemist, 95 Bingley Road, Saltaire, Shipley.

BRECON.—Assistant (outdoors); unqualified; agricultural district. Apply, stating age, height, experience, references, and salary required to Gwillim, Chemist, Brecon.

BURNLEY.—Qualified Assistant wanted for Counter and Dispensing; good opening for energetic, reliable man; comfortable, permanent, easy berth; outdoors; easy hours; half-holiday. Apply, stating age and salary required, with photo (if possible), to Hankeys, 10 Colne Road, Brierfield, near Burnley.

CARDIFF.—Smart Junior Assistant wanted. Apply, enclosing two references and usual particulars, Frank Edwards, 192 Cowbridge Road, Cardiff.

CHARING CROSS HOSPITAL, W.C. 2.—Assistant Dispenser (male) required; Minor qualifications; salary £200. Applications to be sent to the Pharmacist at the Hospital.

CROYDON.—Capable Assistant, not necessarily qualified, for general Retail and Dispensing. Apply, stating experience, salary, and references, "Chemist," 77 High Street, Croydon.

DARLINGTON.—Qualified Managing Assistant required; abstainer preferred; age about 35. Apply, stating age, height, experience, and salary required, Waters, Chemist, Darlington.

DERBYSHIRE.—Youth or young lady wanted, just finished apprenticeship, for country business. Deakin, Pharmacist, Clowne, near Chesterfield.

DONCASTER.—Assistant (unqualified) required, immediately, for General Family and Dispensing business conducted on progressive lines. Applicants must be well recommended and have had good experience, and should apply, stating age, height, experience, salary required (outdoors), and enclosing photo if possible, to M. H. Stiles & Son, The Rexall Pharmacy, Doncaster.

IPSWICH.—Assistant, under 30, for middle-class Retail business; must be quick and reliable; a permanency to competent man, with good business tact. Apply, stating age, height, references, and salary required, to G. N. Edwards, 47 St. Nicholas Street, Ipswich.

LIVERPOOL.—Experienced reliable Assistant, unqualified, for busy Retail and Dispensing business. Apply G. M. Sleggs, Chemist, 44 Robson Street, Liverpool.

LIVERPOOL.—Smart Junior required (unqualified) for Counter and Dispensing: hours 9 a.m.—8 p.m.; Wednesdays 1 p.m.; alternate Sundays 6 p.m.—8 p.m.; please send full particulars and salary required (outdoors). J. J. Smith & Son, Pharmacists, Walton, Liverpool.

LONDON (City).—Wanted, Junior Assistant (male), with some Dispensing experience; outdoors; easy hours; no Sunday or holiday work. Apply, personally, or stating age, salary, and usual particulars, to Pollock & Co., 133 Fenchurch Street, E.C. 3.

LONDON, N.—A good, unqualified Assistant required; comfortable berth; hours 9-8 p.m., Saturdays 9-9 p.m., alternate Sundays 6-8 p.m., Thursdays 9-1 p.m. Hays, 147 Fore Street, Edmonton, N. 18.

LONDON, N.—Wanted, reliable lady Dispenser, Bookkeeper, and to make up stock preparations, for good-class Family Chemist's business; comfortable and easy berth; hours 9.30 to 7; no Sunday duty; state experience, salary, and when disengaged; interview by appointment only. Dodd's Pharmacy, St. Andrew's Pavement, Dunsmure Road, Stamford Hill.

LONDON, N.W.—Junior Assistant, unqualified, required in good-class Retail and Dispensing business. Apply, with usual particulars, by letter in first instance, to Alfred Allchin & Co., 28 Englands Lane, Hampstead, N.W. 3.

LONDON, N.W.—Qualified Assistant wanted; Dispensing business; outdoors Apply in writing, giving full particulars, Davidson, Pharmaceutical Chemist, 342 High Road, Brondesbury, N.W. 6.

LONDON, S.E.—Junior or Improver wanted; hours 10-1 and 5.30-9; half-day Thursdays from 1; state full particulars and salary required. Davies, 374 Old Kent Road.

LONDON, S.E. (8 miles out).—Qualified Assistant, either sex, for middle-class Branch; another Assistant kept; elderly man treated with if active; interview preferred. Particulars as to age, experience, salary required, when disengaged, to "Thymol" (124/37), Office of this Paper.

NEAR BURTON.—Qualified Manager, age about 40, required for a progressive business in an industrial district; exceptional opportunity for a man desirous of picking up a very lucrative post; must be energetic and a good Prescriber. Apply 57/2, Office of this Paper.

NEAR MANCHESTER.—Wanted (immediately), an unqualified Assistant; must be reliable and competent; good Window-dresser, Photography; outdoors; easy hours; no Sunday duty; local man preferred on account of difficulty of obtaining apartments; personal interview preferred. Apply 124/20, Office of this Paper.

REDCAR.—Junior Assistant wanted; outdoors; good Dispenser. State age, salary, and experience, give reference, to C. J. Anan, Chemist, Redcar.

ST. THOMAS'S HOSPITAL, S.E. 1.—Assistant Pharmacist (male) wanted October 27; salary, exclusive of overtime, to begin at £182 per annum. Application, by letter only, to J. A. Jennings, Pharmaceutist to the Hospital.

SHROPSHIRE.—Young, qualified Assistant wanted (at once); easy hours; no Sunday or holiday duty; Thursday 1 o'clock. Apply, stating age and salary required, to 126/20, Office of this Paper.

SOUTH WALES.—Wanted, a trustworthy, Welsh-speaking, qualified Branch Manager for pleasant colliery district in the Vale of Neath; must be a good Salesman and Prescriber; good and progressive salary for the right man. Apply, giving full particulars and enclose photo if convenient, to Melville Thomas, The Red Dragon Pharmacy, Neath.

STAFFORD.—Smart Assistant wanted for Counter and Dispensing; two others kept; hours 8.30 to 7.30; Wednesdays 1 o'clock, Saturdays to 8.30 p.m.; every third Sunday and Wednesday evening duty; applicants should send fullest particulars, references, and salary required, also photo (which will be returned). Fowke & Son, Chemists.

SURREY.—Good opening for a smart, unqualified Assistant with good Photographic experience; state age, whether married, and salary required. Apply 57/201, Office of this Paper.

SURREY.—Unqualified Assistant, with good knowledge of Dispensing and Photography; permanency; state age, experience, and salary required. Apply 126/22, Office of this Paper.

THE UNIVERSITY COLLEGE OF SOUTHAMPTON.

Lecturer in Chemistry in charge of the Department of Pharmacy. Salary £550.

Applications to be addressed to the Registrar before November 1st.

BRADLEY & BOURDAS, LTD., 48 Belgrave Road, S.W. 1, require a Junior Assistant accustomed to Dispensing. Apply, giving particulars and salary required, to Mr. Taylor.

BRANCH Manager; pleasant, healthy, country district, South Wales; reasonable hours; established business; well-fitted shop; modern window; Extractor; could learn Mechanical Dentistry; must be reliable and trustworthy, and have good references; good salary and commission; comfortable and permanent berth and good prospects. Apply 124/15, Office of this Paper.

COMPETENT Assistant wanted (outdoors); must be good Counterman and quick and accurate Dispenser; state age, experience, and salary required. Ison, Atherstone, Warwickshire.

CURTIS & CO. have a vacancy for an Assistant (male). Apply, with full particulars, W. G. Jameson, c/o Curtis & Co., 48 Baker Street, W. 1.

DISPENSER wanted; two other Assistants kept. Apply, giving full particulars, to Wm. Fox & Sons, Ltd., 111 Bethnal Green Road, E. 2.

HEWETT & SONS, Kemp Town, Brighton, require (immediately) a qualified Assistant; please give full particulars, references, experience, age, and salary required (outdoors), photo if possible.

JUNIOR Assistant wanted, good Dispenser. Bellamy & Wakefield, Ph.C.s. Hagley Road, Edghaston, Birmingham.

JUNIOR Assistant required for good-class provincial business Apply, stating salary required and full particulars, enclosing photo, E. Bing & Son, Pharmaceutical Chemists, Canterbury.

JUNIOR Assistant wanted, well educated and of good addres for high-class Dispensing business; board and lodging pr vided. Apply, with full particulars and photograph, to J. T Stainer, Pharmaceutical Chemist, 71 Sandgate Road, Folkeston

JUNIOR Assistant required for good-class country Retail bus ness; easy hours; suit apprentice just out of time. Fu particulars, salary required, etc., to N. G. Beck, Pharmacis Burgess Hill, Sussex.

LADY Assistant, with modern Counter and Toilet experienc required immediately. Meyrick & Davies, 34 James Stree Oxford Street, W. 1.

LADY Assistant for Counter; smart Saleswoman essentia healthy neighbourhood, near Epping Forest. Age, experienc and salary required, to Leonard Matthews, 722 High Ro Leytonstone, E. 11.

LADY Assistant required; highest class business; Dispens good Counter-hand, and knowledge of Photography; Wind and Case Dresser preferred. Apply, with full particulars photograph, to E. B. Kendall, M.P.S., 6 Coney Street, York.

LADY Dispenser (Hall); evenings only, 6 to 8.30, Sunday Wednesday excepted; £1 5s. Dr. Constable, 163 Mitch Lane, Streatham, S.W. 16.

MANAGER required (shortly) for Branch at Barry Dock, Gl Kindly state full particulars as to experience, salary quired, and enclose photo, if possible, W. T. Hicks & Co., Csr

QUALIFIED Assistant wanted at once (lady or gentlem Apply, giving recent references, to E. J. Latham, M.I Creswell, near Mansfield.

QUALIFIED Assistant required as Manager (Nov. 1st); Salesman; knowledge of Photo trade; salary and com sion. Hargreaves & Co., 90 Northgate, Gloucester.

QUALIFIED Assistant wanted (at once); smart and ca man. Apply, giving age, height, experience, and s required, Wands, 12 Haymarket, Leicester.

SMART, unqualified Assistant required; good-class Dispe business. State age, salary, and experience, send pho W. E. Matthews, Ltd., 40 George Street, Croydon.

SMART capable man, unqualified, wanted immediately; m expert and accurate Dispenser. Apply Colmans, 19 1 wick Street, Cheetham, Manchester.

THOMPSON & CAPPER, LTD., require a qualified Manag Deansgate, Manchester; one with a knowledge of Homœo and Photography preferred. Apply, giving particulars of e ence, and stating salary required, with photograph, to Tho & Capper, Ltd., Manesty Buildings, College Lane, Liverpool

UNQUALIFIED for good-class Dispensing business; comf berth for suitable man. References, etc., to Coc Mountgrove Road. Finsbury Park, N. 5.

WANTED (at once), qualified Manager for Mossley, nea chester; good apartments can be found for single mar hours and good salary offered; no Sunday duty. Apply Shaw, Chemist, Golcar, near Huddersfield.

WANTED, smart, young, unqualified Assistant (sing Sales Counter and Dispensing; short hours; close Sa at one; no Sunday duties. Write full particulars with phot to Drug Department, Cater, Stoffell & Fortt, Ltd., Bath.

WANTED (soon as possible), Junior Assistant for Light and Dispensing business; lady or gentleman; must h previous similar experience; pleasant locality, near ma station, half-hour from London; easy hours. Send full pars and salary required (outdoors) to Young & Co., Chemist Barnet, Herts.

WANTED for City business, Junior Assistant; short part-time entertained; full particulars by letter. age etc. "Chemist," 56 Lynton Avenue, West Ealing, W.

WANTED, qualified Assistant, able to take charge if State full particulars as to age, height, experience ences, and salary required, etc., to Holman, Ham & C Market Street, Exeter.

WANTED (immediately), a Junior Assistant for g Dispensing and Retail; must be well up in Phot and accustomed to quick cash trade; easy hours; no Sun Apply, giving references, and stating age, height, salary (outdoors), with photo, which will be returned, R Bridgend, Glam.

WANTED, reliable active Assistant; knowledge o graphy. W. J. Tiltman, 213 High Street North, E E. 6.

WANTED, smart man for Yorkshire and Lancashir proved sales record, to handle a smart line wit selling aids; samples light and compact; commission selling ability proven; only those who send full detail considered. Reply to 126/12, Office of this Paper.

WANTED, a capable unqualified Assistant for good pensing and Retail business. Apply, stating age, and salary required, to W. H. Jennings, Hoylake, Ches

ANTED, a smart, unqualified Junior Assistant, chiefly for Counter work. Full particulars to Druce & Co., 118 High eet, Oxford.

WHOLESALE.

. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid

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ANCHESTER.—Representative already having connection in the district required by a known Drug and Sundries house. ly L. 57/34, Office of this Paper.

OTLAND.—A Representative is required for this territory by a large firm of Wholesale Chemists; previous experience of ground and an established connection with Pharmacists and ors are essential; a liberal salary will be paid to the right , for whom excellent opportunities of advancement are avail. The usual particulars should be sent to L. 57/180, Office of Paper.

UTH WALES.—Traveller wanted on commission for a ready-selling winter line; good terms offered to a man with a live ection. Apply 57/200, Office of this Paper.

VERTISING.—Large London firm of Manufacturing Chemists require Display Advertisement Writer; Pharmaceutical qualification not essential, but applicants must have experience in the Retail. State age, experience, and salary red to 58/20, Office of this Paper.

experienced Representative with good connection amongst Chemists in Yorkshire wanted at once by well-known naceutical house; must be resident in Yorkshire, and be able propaganda work amongst medical men; splendid opportunity an of ability. Apply L. 57/18, Office of this Paper.

SISTANT required, with Minor qualification, to supervise the work of a Packing Department and to elaborate and ete new suggestions and designs for packings associated with dermic Instruments and Medical Equipments. Apply, by stating age, experience, salary required, and enclose photo. (to be returned), to 58/200, Office of this Paper.

SISTANT, chiefly Wet Room; good wage paid to worker capable of supervising and speeding up output; Lancashire. 125/7, Office of this Paper.

ISTANTS for Wholesale Drug trade; Juniors having sound Retail and Dispensing experience entertained; give full ulars of training and requirements; Manchester. Apply 0, Office of this Paper.

MIST (young) wanted with particular knowledge of Photographic Chemicals. Apply, giving particulars, also age and required, to "K. A." (117/32), Office of this Paper.

MIST, young and energetic, required by well-known firm manufacturing Alkaloids, Fine Chemicals, Proprietary Lines, or their propaganda department; must have expert knowof the Pharmaceutical business, medical literature propasupervision of representatives, etc.; candidate would be d to take charge of a department where organisation and ne would be important factors; must be used to inde. t working. Letters of application, which will be treated tly confidential, should state fullest particulars of experge, and salary required, otherwise useless to apply. Apply Office of this Paper.

F Clerk for provincial Wholesale Drug firm; experience the trade essential; state fully positions occupied and required. Apply 125/700, Office of this Paper.

K, for Export Department of provincial house; knowdge of trade essential. Apply, giving full details of ex-, age, and salary required, 58/69, Office of this Paper.

TERMAN, unqualified, for West-End Stores; good Salesn essential; salary and commission; give full particulars ience and state age. Apply 122/290, Office of this Paper.

-GRADE men with sales ability, capable of doing propanda among the medical profession, required for the pro- Manufacturing Chemists of high standing. Apply 52/58, this Paper.

LIGENT youth wanted for City Office of Manufacturing emists, age 20-25; preference given to one with knowledge sale Drug trade. Write, stating age and salary required, tay, 62 Bank Chambers, W.C. 2.

LABORATORY Hand wanted; experienced in making Ointments and Extracts; permanent position; state wages and full particulars. Apply Veno Laboratories, Lund Street, Cornbrook, Manchester.

LABORATORY Assistant, with Pharmaceutical qualification and experience, required by firm manufacturing high-class Toilet and Perfumery products; good salary to suitably experienced Chemist seeking permanent and progressive position; must be accurate and orderly worker. Apply, in first instance, to "Parfumeur" (58/42), Office of this Paper.

PILL and Tablet Maker, experienced, wanted by South London Wholesale Druggists. Write full particulars of experience, age, wages required, to 41/56, Office of this Paper.

REPRESENTATIVE, to introduce first-class preparations, viz.: Cod-liver Oil Emulsion, Malt Extract, etc., on commission basis; ground, Northumberland, Durham, and part Cumberland Apply 123/9, Office of this Paper.

REPRESENTATIVE, with connection amongst Chemists, wanted for North of Eugland, to sell Fine Chemicals on a commission basis, good lines and terms; also Representative for the South of England. Send particulars to 59/54, Office of this Paper.

REPRESENTATIVES, well introduced amongst Chemists and Hairdressers, required by firm of Toilet Specialists to represent them (1) over the Eastern Counties ground, (2) over the South and West of Eugland. Apply, with full particulars, stating exact ground covered, to 123/360, Office of this Paper.

REPRESENTATIVES required for England and Wales, on a commission basis, having a good connection amongst Chemists and Medical men, to introduce a series of high-class Food Preparations of unique value and world-wide patents; P.A.T.A. articles, attractively packed and having influential Medical and Press support. Existing territory shows good and increasing turnover; a unique opportunity. Apply, in confidence, giving full details of territory, etc., to 123/15, Office of this Paper.

REPRESENTATIVES or firms, well introduced amongst Chemists, required by well-known firm manufacturing Toilet Articles, to represent them over the Irish ground south of Ulster, and the North Scottish ground. Apply, with full particulars, stating ground covered, to 123/36, Office of this Paper.

REQUIRED, well-connected town Traveller on a liberal salary and commission basis to sell Perfumes and Toilet preparations to Wholesale and Export houses. Write full particulars to "Avillia" Perfumery, 97 Charlotte Street, London, W.

STRONG young man as Porter and Warehouseman for Wholesale and Retail Druggists; Central London. Give particulars and wages required to "Q." (127/32), Office of this Paper.

TRAVELLER, TO FILL DEATH VACANCY.

W. H. LEGAT, Manufacturing Chemist, Bolton, requires Traveller for Midlands; must be experienced in interviewing Medical Men and Veterinary Surgeons; would wait reasonable time for a good man.

TRAVELLER required for London and suburbs, with connection, if possible, amongst Hairdressers, Stores, and Chemists; salary, commission, and travelling expenses; good permanent post with prospects. Write full particulars, with past experience and refereuces, to 59/58, Office of this Paper.

WANTED, Representatives with well-established connections to carry profitable side-line for the winter trade on a commission basis; splendid opportunity for an active worker. Applications, with full particulars as to ground covered, lines carried, in confidence, 55/27, Office of this Paper.

WANTED, a Clerk used to keeping Wholesale costs for large firm of Wholesale and Retail Chemists in the West-End; experience of keeping accurate cost book essential. Apply 52/41, Office of this Paper.

WANTED, competent Assistant as Warehouse Stockkeeper; must be quick at figures, energetic, familiar with prices, and the receiving and distributing of goods among branches; permanency; previous experience of Retail an advantage. Apply, stating age, experience, and wages required, to "Observer" (119/9), Office of this Paper.

WANTED, Assistant Company Secretary (Proprietary Articles trade); must have a knowledge of Accountancy and of the French and German languages; preference will be given to one who has had personal experience in home and foreign trade and advertising; to a suitable man a good and permanent position is open. Address stating age, experience, etc., to Box No. 1319, c/o Clarke, Son & Platt, Ltd., 317 High Holborn, London, W.C. 1.

WANTED, Junior Invoice Clerk by London firm of Wholesale Druggists; write, giving age, salary required, etc. Apply 57/67, Office of this Paper.

WANTED, Junior Ledger Clerk by London firm of Wholesale Druggists; write, giving age, salary required, etc. Apply 57/670, Office of this Paper.

WANTED, for Drug Factory, man, with experience of the manufacture of Toilet Preparations; must be reliable Stockkeeper. Apply 122/29, Office of this Paper.

WHOLESALE Manufacturing Chemists and Druggists with large range of Packed Counter lines require thoroughly experienced Traveller for Scotland with established connection. Write, giving experience, in confidence, to "Salol" (57/28), Office of this Paper.

YOUNG Man wanted, to assist in Warehouse with Stock, Preparations, and Surgeons' orders; no great experience necessary. Apply, with full particulars, stating salary required, to E. Bing & Son, Manufacturing Chemists, Canterbury.

SITUATIONS OPEN.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

(Colonial, Indian and Foreign.)

CHINA.—Qualified Assistant; 3 years' agreement; passage paid out and home; salary now equal to over £600 a year Apply Dakin Bros., Ltd., 82 Middlesex Street, London, E. 1.

FEDERATED MALAY STATES.—Qualified Assistant; unmarried; must have good experience in Retail; terms, three years' agreement; salary £400, £450, £500 sterling per annum; passage paid (second class) out and home; short hours; good climate; the firm one of the largest in the East, and the position and surrounding country most attractive. Apply Dakin Bros., Ltd., 82 Middlesex Street, London, E. 1.

HONG KONG.—Thoroughly reliable Assistant who has had good experience in first-class Retail business; age 22 to 30; four or five years' agreement; salary for qualified man £500, rising to £550 per annum; passage paid out and home. Address "Export (121/5), Office of this Paper.

JOHANNESBURG.—Chemist's Assistant wanted for Johannesburg; not necessarily qualified; £25 per month first year, £27 10s. per month second year, with furnished bedroom on premises; no agreement; good references required. Apply by letter, M. Wright, c/o J. A. Ewing & Co., Ewing House, Chiswell Street, London, E.C.

SIAM.—Qualified Chemist-Optician wanted for Siam. Write age and experience to "L." (35/21), Office of this Paper

SINGAPORE, STRAITS SETTLEMENTS.—Wanted, qualified Assistant of good experience; healthy climate; short hours; three years' agreement; passage paid out and home; salary first year £38 per month, second year £41, third year £44. Fuller particulars from M. K. Watt, Pharmacist, 28 Esslemont Avenue, Aberdeen.

SINGAPORE.—Wanted, young, qualified Chemist Assistant; three years' agreement; salary $300 per month first year, $325 per month second year $350 per month third year; passage paid out and home. Apply Durant, Radford & Co., Ltd., Billiter Buildings, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]

RETAIL.

ADVERTISER disposing of business is desirous of position where accommodation could be provided; Manchester area preferred; unregistered; married; 36; Counter, Dispensing, Prescribing, knowledge of Photography; 20 years' experience; good references. State salary, etc., to "M/C" (121/24), Office of this Paper.

ADVERTISER just demobilised seeks post; unqualified; tal married, age 39; energetic and reliable. Full particula to 111/21, Office of this Paper.

AN experienced Chemist with good references now disengag desires Dispensing post. Apply 113/34, Office of this Pape

AN energetic lady desires progressive position; London pr fer—l; 3 years' sound experience Counter and Stock; N.H Dispensing "Script" (125/21), Office of this Paper.

AS Locum, permanency; excellent references; reasonable ter "Chemist," 6 Eastbourne Terrace, Paddington, W.

AS Dispenser; easy hours; experience and references w good. Williams, Mr. Richards, 34 St. Thomas' Str Weymouth.

AS Senior, married, requires permanency; excellent referen Fell, 21 Westbourne Street, S.W.

AS Manager, by qualified, elderly, energetic man; good Coun man, Dispenser, Prescriber, and references; London, subu or Home Counties preferred. Address 125/27, Office of Paper.

ASSISTANT (28); unqualified; varied experience; good-c Dispensing, Counter, Photographics, and Window-dress has managed Drug Stores; would accept same; excellent re ences. Apply 119/3, Office of this Paper.

ASSISTANT, unqualified, wishes to work half or three-quar usual time daily; 40, slight grey, strict abstainer; ac tomed good-class Dispensing and Retail (Ireland); some y business absence; two study; salary, offer. Apply 113/7, of this Paper.

ASSISTANT; 26, single; unqualified; Retail, Dispensing, Photographic experience; outdoors. Apply 111/19, Offic tais Paper.

ASSISTANT; unqualified; 34; Counter, Dispensing; experier London only. Morgan, 9 Waldegrave Road, Upper Nor S.E.

ASSISTANT, 20, unqualified, with general experience, inclu Photography, excellent references. requires situation in l business immediately. Write W. Holbeck, 115 Paynes Southampton.

ASSISTANT; 21; demobilised; very ambitious; five years' pensing and Retail; healthy district; kindly state salary Carter, Royal Oak, Whitwell, Derbyshire.

ASSISTANT, part-time, Locum, or permanent; 30 year perience all grades; good working-class London m also proviucial; disengaged; moderate salary. Present a "Morcuboy S.," 33 Albert Street, Warsop, Mansfield.

ASSISTANT (lady), unqualified, 25, desires post with Cl or Doctor; two years' experience; Manchester distric ferred. Miss Lee, 175 Highgate, Heaton, Bradford.

ASSISTANT, unqualified; 32; tall, experienced in hig Dispensing and Counter; first-rate references. Sta 9 Liverpool Road, St. Albans.

ASSISTANT (lady), Hall certificate, desires post London d Doctor, Chemist; over three years' experience. A., 4 mion Road, Lavender Hill, S.W. 11.

ASSISTANT; 39; unqualified; excellent references; Locur manency. Williams, 29 Tegid Street, Bala.

ASSISTANT desires a responsible position; keen on b development; thoroughly capable; Photographic. 126/7 of this Paper.

ASSISTANT; unqualified; Locum or permanency; go round; soundest references; speaks French; disengag years' experience. Apply 124/18, Office of this Paper.

ASSISTANT, 27, unqualified, married, competent in all b good references, desires berth where tact and pro ideas will meet with suitable remuneration; Midlands pr 124/7, Office of this Paper.

ASSISTANT, accustomed to good-class Dispensing seeks engagement immediately. Miss Peters, 25 Road, S.W. 6.

ASSISTANT; 30; unqualified; Dispenser or Stockkeeper sale or Retail; 10 years' experience; excellent re W. J. B., c/o Mr. Starkey, 68 Leonard Street, E.C. 2.

BRIGHTON or Hove.—Wanted, by Minor student (lad time work; excellent Counter and Dispensing ex Write Kieldsen, 82 Lansdowne Place, Hove.

BRANCH Manager; 42; qualified; married; abstainer; integrity; good appearance and address; courteo obliging, quick and accurate Dispenser; wide experience ledge Photography; disengaged; references satisfactory. 10 Clifton Terrace, Kenilworth.

BRANCH Manager or other capacity; good experience and references. R., 8 Salisbury Road, Brislington, Bristol.

BRANCH Manager; unqualified; age 38; married; Dentistry, Photography, Optics, Prescriber, Dispensing, etc. Apply 124/1, Office of this Paper.

CHEMIST desires berth as Manager; capable and active. Apply "Pays" (123/240), Office of this Paper.

CHEMIST, age 25, Irish qualification, desires position as Assistant. 125/35, Office of this Paper.

COMPETENT Assistant; unqualified; age 42; experienced Dispensing and Counter; disengaged; near London preferred. "D.," 82 Marlborough Road, Romford, Essex.

COMPETENT Assistant; 37; unqualified; high-class experience in Dispensing and Counter, Photography; recently demobilised; near classes preferred. Apply 122/25, Office of this Paper.

DEMOBILISED, unqualified Assistant, age 27, 6 years' London experience, desires situation. State particulars, 122/7, Office of this Paper.

DISPENSER, unqualified, age 36, married, abstainer, 18 years experience, desires engagement November. Apply 121/16 Office of this Paper.

DISPENSER (Hall), Nursing, Typist, desires post, Doctor Chemist, or Institution; disengaged now; good refrences Miss Leak, Prydferth le, Deganwy, North Wales.

DISPENSER, lady (Hall), good references, requires post winter months or Locum; Liverpool or Birkenhead preferred. Apply 113/5, Office of this Paper.

DISPENSER, lady (Hall), excellent Hospital experience and testimonials, desires post with Doctor or Hospital in London care of instruments if desired. Apply 122/6, Office of this Paper

DISPENSER, Lady (Hall); Hospital experience, Military and Civil; knowledge of Milk-testing; excellent testimonials. Miss Leeder, 7 Mortlake Road, Kew, Surrey.

DISPENSER (Hall), experienced Chemist and Institution, desires permaneucy, within easy distance of Eltham; would accept post in City or West End; well recommended; good knowledge of Shorthand and Typewriting, would undertake secretarial duties in addition if required; free November. Write, stating salary offered, Miss Whipps, 102 Greenvale Road, Eltham, S.E. 9

DISPENSER.—Lady requires post; excellent experience with both Doctor and Chemist; disengaged. 124/12, Office of this Paper.

DISPENSER; Minor qualification; Retail and Surgery experience; good references; tall. Saul (Miss), 12 West Terrace, Whitby.

DISPENSER-BOOKKEEPER (Hall).—Lady, with two years experience practical Dispensing requires post; Doctor, Institution, or Dispensary preferred. Marley, Cartref, Miuehead.

DISPENSER-BOOKKEEPER, etc. (35), permaneucy required or would do Locum; 16 years' experience; good references disengaged. Strutt, 2 London Road, Hailsham.

DISPENSER-BOOKKEEPER (Hall), excellent reference, requires post, Doctor, Hospital, Dispensary; S.W. district preferred. 26 Cyril Mansions, Battersea Park.

DISPENSERSHIP with Doctor, in country preferred; good references. Apply 121/8, Office of this Paper.

DISPENSING.—Lady (Hall) desires post; good experience "A.," 10 Antrim Grove, Haverstock Hill, N.W.

DISPENSING Counter preferred; exceptional experience. B., 9 Hill Park Villas, Shirburn Road, Torquay.

DOCTOR'S Dispenser (male); 25 years; 9 years' experience; Chemist-trained; disengaged 20th inst. 123/34, Office of this Paper.

EVENING duty; qualified; disengaged at 5.30 p.m. Apply 127/31, Office of this Paper.

EVENINGS, four weekly, from 5.30; permanently or temporary; part or full time; three weeks or less; qualified; experienced. Apply 122/31, Office of this Paper

EVENINGS; West End; quick and accurate Dispenser, with knowledge of Retail; highest references. 125/5, Office of this Paper.

EX-SERVICE Dispenser (26), demobilised too late for school session, requires berth; energetic; reliable; excellent reference. "Statim," 26 Harbour Road, Barry, Glam.

HALF-DAY, morning or afternoon; qualified; good experience Retail, Factory, Hospital, or Office. Apply 123/11, Office of this Paper.

JUNIOR Assistant (indentured) requires post; Brighton or Worthing preferred; outdoors; ex-service Dispenser, R.A.M.C. Brown, 77 Underdown Road, Southwick.

JUNIOR, just out of apprenticeship, seeks change; accustomed to Retail and Dispensing. L. Russell, 70 Islingwood Road, Brighton.

JUST liberated from Multiple Drug Store engagement, advertiser seeks Managership where his inside knowledge will make possible his combating of such competition; well-educated, experienced man; qualified. 124/380, Office of this Paper.

LADY Assistant seeks post near Chester; four years and ten months' Dispensing and Counter experience; also knowledge of Bookkeeping and Photography; disengaged about 15th November. "E.," c/o Mrs. Mann, 4 Pier Avenue, Clacton-on-Sea.

LADY Assistant, three years' counter and Stock experience with first-class Chemists, desires post in Birmingham, view learning Dispensing. 126/6, Office of this Paper.

LADY Dispenser, unqualified, requires post with high-class Chemist in Birmingham; centre of city preferred; three years' Dispensing and Counter experience. Apply 119/7, Office of this Paper.

LADY Dispenser desires post; three years' experience with Doctor; Hall qualification; tall. Replies to 105/4, Office of this Paper.

LADY Dispenser requires post with Doctor or Hospital in London; Hall qualifications; three years' experience; two years Military Hospital; good testimonials. T., 17d Avonmore Road, West Kensington.

LADY Dispenser (Hall) desires post; Leeds or district; experience Chemist and three years' Hospital. Apply 118/37, Office of this Paper.

LADY Dispenser (Hall) three years' experience Chemist, Hospital, Doctor, requires post; whole or part time. Apply 5 Queen's Avenue, N. 20.

LADY Dispenser (Hall) desires post; Doctor or Institution preferred; in or near London; will take temporary work. 125/23, Office of this Paper.

LADY Dispenser (Hall); experienced Hospital, Surgery, and Institution; excellent testimonials; in or near London. 125/9, Office of this Paper.

LADY Dispenser-Bookkeeper, several years' experience, 2½ years last post, seeks work; W. or S.W. London. Apply Hope, 37 Stanwick Mansions, W. 14.

LADY Dispenser-Bookkeeper, Hull qualification, three years' experience, desires post with Doctor within forty miles of London. Apply 102/25, Office of this Paper.

LADY, 24, Minor qualification, requires post in good-class Pharmacy in or near London. Will, 197 Brixton Hill, S.W. 2.

LADY, Minor qualification, speaks French, good Counter experience, desires post in good-class business; interview; London. D. H., 38 North Side, Clapham Common, S.W.

LOCUM.—Pharmacist, abstainer, at liberty for Locum engagements. Replies to 111/22, Office of this Paper.

LOCUM, Manager preferably, view succession; experienced. "Pharmacist," 38 West Brampton, Newcastle, Staffs.

LOCUM or temporary; take charge; disengaged. Oliver, c/o Freeman, Chemist, Lye, Worcs.

LOCUM; qualified; 53; country; disengaged till March; first-class experience and references; Optics, Photography; energetic. Dewey, c/o Eland, Esq., 4 Montague Gardens, Wallington, Surrey.

LOCUM or temporary; can take charge; disengaged. Oliver, 2 Christian Road, Preston.

LOCUM; qualified; at liberty; 29 tall. Cofar, "Kenilworth," Central Promenade, Douglas, Isle of Man.

LANCASHIRE or North Wales.—(23); recently demobilised and qualified; good knowledge of Dispensing; used to Agricultural and Veterinary work; able to converse in Welsh; moderate salary; good references. 125/16, Office of this Paper.

LOCUM disengaged; tall, middle-aged, married, abstainer; high-class preferred; used to control; where ability appreciated. Watson, 6 Upper Stone Street, Maidstone.

LOCUM or permanency; qualified; 43; disengaged; experienced Dispenser. "Chemist," 60 Maples Street, Nottingham.

LOCUM; reliable; disengaged. Address "M.P.S.," Messrs. Southall Bros. & Barclay, Birmingham.

LOCUM; qualified; abstainer; thoroughly experienced; Optics, Scientific Instruments, etc.; disengaged. Wire "Statim," 71 High Road, South Tottenham, N. 15.

LONDON.—Young man, energetic, tall, seeks situation with Chemist for putting up stock. Write 121/33, Office of this Paper.

M.P.S. REQUIRES Managership; aged 33; country preferred; reliable and active. Apply "Rheum" (123/24), Office of this Paper.

M.P.S. SEEKS berth; London preferred; good experience and refereuces. Apply 123/20, Office of this Paper.

MAJOR.—Medical Student desires employment, London, half-day Wednesday and Saturday. Apply 123/25, Office of this Paper.

MANAGER, Assistant; qualified; good experience; excellent references; view to purchase; London preferred. Apply 122/360, Office of this Paper.

MANAGER or otherwise, qualified, experienced Dispenser, elderly; disengaged; town or country; small business; view succession. "Pharmacist," 18 Pensliurst Road, South Hackney.

MANAGER, Locum, or part-time; qualified; experienced; disengaged. Apply 121/9, Office of this Paper.

MANAGER; 29; sober and energetic; present situation returns doubled in less than 12 months; best experience and references. Apply 121/31, Office of this Paper.

MANAGER, qualified, seeks position in or near London; preferably with unfurnished rooms attached; best experience; speaks French; commence immediately. T. H. C., 2 Hill Street, Richmond, Surrey.

MANAGER; qualified; 31; married; thoroughly experienced; reliable and successful; North London preferred. "Roslin," Fitzjohn Avenue, Barnet.

MIDDLE-AGED, active; used to different classes of businesses and N.H.I.; good references; town or country. Chemist, Llanbanal, Mynachlogddu, South Wales.

MINOR; any capacity; fully competent; 45; disengaged. "Dallas," Bromley House, Fulwood, Preston.

PART-TIME evenings; qualified; London (in- or out-doors). Lennon, 5 Barrington Mansions, Gresham Road, Brixton, S.W. 9.

PHARMACIST, 35, married, desires post as Manager with early view to succession; Continental, Hospital, and West-End experience; recently demobilised. Apply 113/35, Office of this Paper.

PHARMACIST, 31, married, abstainer, requires post as Manager; please state salary. "Pharmacist," Boldroyd, 274 Bradford Road North, Huddersfield.

PHARMACIST (31) requires position as Manager, or Assistant, with view to succession or partnership in good-class business; good capital available; high-class experience. Apply 121/17, Office of this Paper.

PHARMACIST, experienced Manager and Buyer; highest credentials; good salary and living accommodation necessary. "Blanch" (126/3), Office of this Paper.

PHARMACIST wishes to place his son, a youth, 18 years of age, good address, height 5 ft 8 in., as an Improver in a good business; indoors; Midlands preferred. Apply "Korak" (124/10), Office of this Paper.

PHARMACIST; 25 years all-round experience; married; good Dispenser, Prescriber, Extractor; accommodation desired, but not essential; disengaged. 126/221, Office of this Paper.

PHARMACEUTICAL Chemist, 27, single, requires situation in good-class business; Assistant or Branch Manager; good references. Apply 122/1, Office of this Paper.

POSITION required as Assistant to Chemist, or as Dispenser to Doctor; disengaged. Miss Barstow, 9 Crescent Lane, Clapham, S.W.

QUALIFIED Locum; branch; part-time Manager. Ramsden, Rosebery Hotel, 270 Pentonville Road, N.

QUALIFIED; 34; Locum or Manager (view to succession preferable); London and provincial experience; state salary; free mid-November. P. R. Bemrose, Dawley, Salop.

QUALIFIED Assistant or Branch Manager; 32; married; recently demobilised. G. Williams, 32 Stanfield Road, Winton, Bournemouth.

QUALIFIED; Manager or Assistant; 35; married; good general experience; London and provinces; abstainer, reliable. "Carolus," 113a West Street, Farnham, Surrey.

QUALIFIED; 30; good references; disengaged. "Statim," 46 Newtown, Colne, Lancs.

QUALIFIED, 26, requires berth in good Pharmacy; commence November 3rd; give full particulars in first letter. Parkin, Church Terrace, Wigton, Cumberland.

QUALIFIED and experienced, 35, single, requires Locum or permanency. Apply 121/6, Office of this Paper.

QUALIFIED, married, 33, desires early engagement, Managership branch or otherwise; Northern Counties preferred; exceptional experience; also Photography. Apply 121/27, Office of this Paper.

QUALIFIED Manager, 25 years' first-class experience, requires permanency; town or country; disengaged; married. State salary to "M.D.," 26 Fox Hill, S.E. 19.

QUALIFIED, disengaged, 18 years' London experience, age 38, requires post as Manager. Apply 123/8, Office of this Paper.

QUALIFIED Manager or Assistant; experienced; Photographic; highest testimonials. R. L. A., 22 Ellison Road, Barnes, S.W.

QUALIFIED Manager, Assistant; first-class experience Counter, Dispensing, Photography; City, West End; excellent references. Apply 122/36, Office of this Paper.

QUALIFIED Assistant, 38, tall, single, recently demobilised, open for immediate engagement; capable and experienced; excellent testimonials. "Scotia" (124/16), Office of this Paper.

QUALIFIED (32); married; thoroughly experienced; highest refereaces; disengaged. "Pharmacist," "Mascotte," Amherst Road, Sevenoaks.

QUALIFIED Assistant, some knowledge of Optics, desires change; Manchester or Oldham district preferred. "Chemist," 121 Fitzroy Street, Ashton-under-Lyne.

QUALIFIED (38); 22 years' good experience Dispensing, Counter, Photography, Optical; married; recently demobilised; disengaged; London or near preferred, but not essential. "Energetic" (126/18), Office of this Paper.

QUALIFIED; 53; active; single; varied experiences; disengaged shortly; considered a quick and accurate Dispenser. London, West of England, or South Wales preferred. 125/33 Office of this Paper.

REGISTERED, branch, small, Prescriber, etc., at liberty. Address "D.," 193 Wellington Street, Bradford, Manchester.

UNQUALIFIED; 27; early engagement; demobilised Sergt. Dispenser. Nicholls, Victoria Street, Baildon.

UNQUALIFIED; Manage or assist; experienced; good Prescriber and Salesman; Locum entertained; good references disengaged. "Number One," 74 Peckham Road, S.E. 15.

UNQUALIFIED; 40; disengaged; all-round experience; permanency; state salary. "Radix" (125/28), Office of this Paper.

WEST END.—Unqualified Assistant; 32; just demobilised; first-class references. "Bromum" (125/40), Office of this Paper.

WOMAN Pharmacist (24) requires post in Hospital or Institution; London preferred, but not essential; five years' experience; excellent testimonials; disengaged. Apply 119/3 Office of this Paper.

YOUNG lady with Counter experience desires post as Assistant good references. Apply H. Batterbee, 2 West End Villas Watton, Norfolk.

YOUNG lady, 22, desires post with Chemist to obtain knowledge of the Drug trade; three years' experience as V.A.D. Military Hospital. Apply "D.," 31 High Street, Aldershot.

YOUNG Lady requires post as Dispenser; some experience must be in London. Collins, 8 Exmoor House, Saville Street W. 1.

YOUNG Lady (18) desires post as Turnover Apprentice. 125/1 Office of this Paper.

WHOLESALE.

1s. for 12 words or less : 6d. for every 10 words or less Beyond, prepaid.

CHEMIST, young, energetic, qualified, with inventive tendencies, seeks post with Manufacturer; suit firm requiring a reliable Laboratory Assistant; London preferred. 122/34, Office of this Paper.

DRUG-TRADE Representative.—Re-engagement required; sound knowledge of Drug and allied trades; extensive Medical connection; highest references. "A.B." (123/13), Office of this Paper.

EXPERIENCED Traveller (qualified Chemist), with good connection, calling on Drug-trade only, Liverpool, district, and North Wales, desires additional lines Drugs, Chemicals, Toilet Articles, and Perfumes; own name packed goods; or would represent a good firm. Apply "Representative," Roby P.O., Liverpool.

LABORATORY Assistant, experienced R. Mixtures, Emulsions and Ointments, Liniments, Stock, and Despatch, requires situation; London district or Midlands. Apply 113/1, Office of this Paper.

LABORATORY.—Competent Foreman (41) desires change; 25 years' experience in manufacture of Galenicals, Emulsions, Ointments, Fluid Extracts, Syrups, Toilet, Proprietary Articles, etc., used to Recovery Stills and control of staff. Apply 121/12, Office of this Paper.

LABORATORY Assistant (18), very intelligent, seeks situation, any suitable capacity; 3 years Assistant Works Analyst; anywhere if accommodation can be found; good references. E. G. Seager, 13 Grayshott Road, S.W. 11.

PACKER.—Young lady desires situation as Packer, wet or dry, in Pharmacy or Wholesale Warehouse; disengaged. Miss N. Cooper, 24 Druid Street, Abbey Street, Bermondsey, S.E.

PERFUMES, Toilet Preparations, Packed Goods.—Active, trustworthy man, with good all-round experience and initiative, desires position as Manager, or Assistant in Laboratory; accustomed to control staff. 124/33, Office of this Paper.

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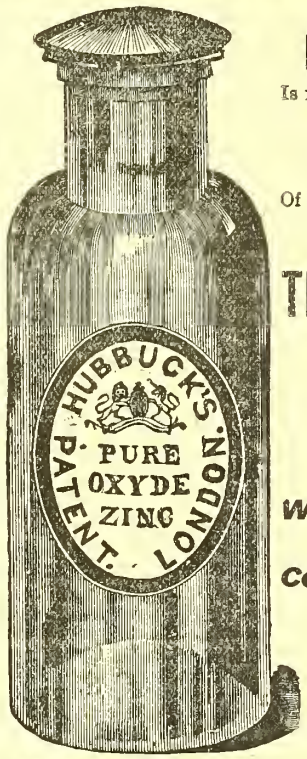

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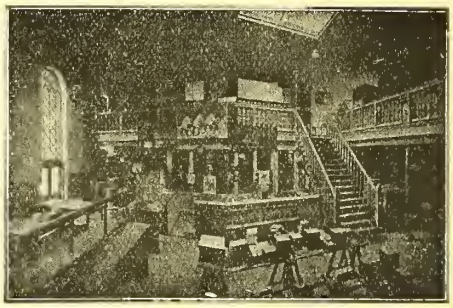

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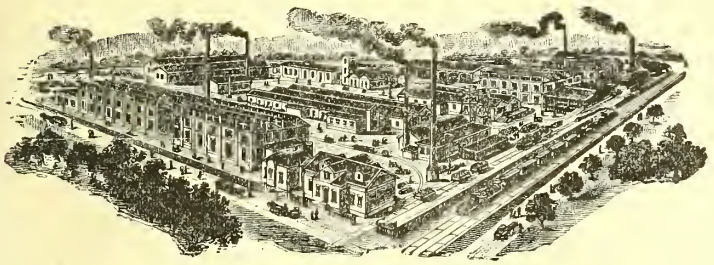

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Peroxide of Hydrogen.

100 VOLUMES.

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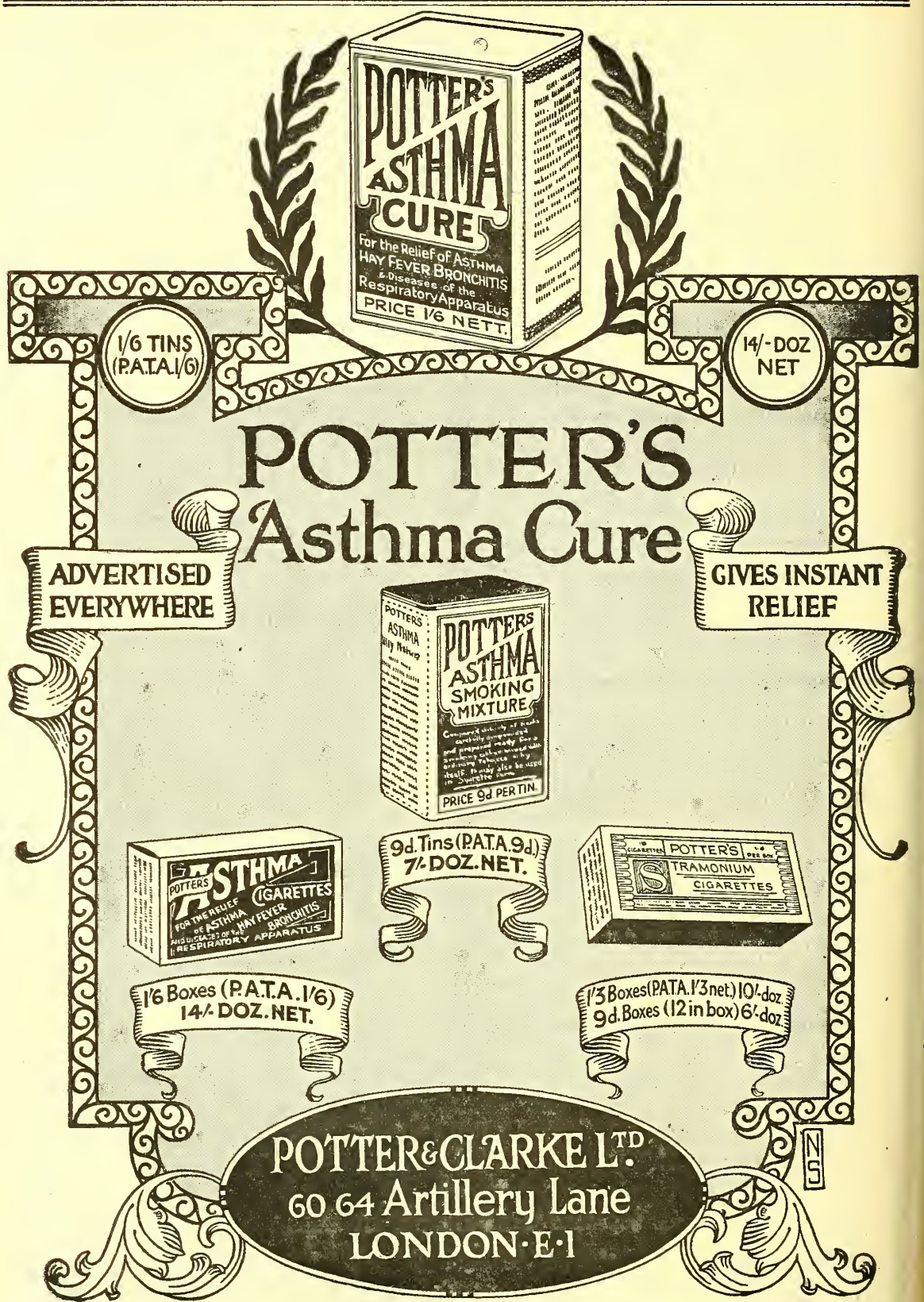
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They usually come at Christmas with a recipe that takes a few minutes to serve, and perhaps say you charge too much.

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Served in a moment. The directions are so simple, and the wine it makes so good, that **many people buy it again and again**, summer and winter.

RESULTS: MORE SALES, MORE PROFITS.

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7 oz.	2/6	22/6	34½ oz.	8/6	76/6
17½ ,,	5/-	45/-	5 lbs.	17/6	157/6

Prices for IRELAND, CHANNEL ISLANDS, and ISLE OF MAN.

Size.	M.R.P.	M.W.P.	Size.	M.R.P.	M.W.P.
7 oz.	2/-	16/6	34½ oz.	6/6	52/6
17½ ,,	4/-	33/-	5 lbs.	13/6	109/6

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RETAIL ...	9d.	1/6	2/9
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Paint & Varnish Manufacturers,
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October 18, 1919.

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Advertised Price.		Minimum Retail Price.	Minimum Wholesale Price.
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PROPAGANDA MEETING.

LIVERPOOL.—October 22, at the Royal Institution, Colquitt Street, at 7.30 p.m., Mr. JOHN KEALL, President of the P.A.T.A., will give an address on

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All interested, in the Liverpool district, are cordially invited to be present.

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Constipation, Enteritis, Hæmorrhoids, Indigestion, Skin Blemishes, &c.
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POWERFUL BLOOD TONIC.
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POWERFUL URIC ACID SOLVENT.
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Antiseptic for local Gynæcological use.
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"OLEUM DEELINÆ," a certain cure for Eczema.

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INFANT'S PRESERVATIVE

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FLOUR, BREAD, BISCUITS, FOOD, RUSKS, COCOA, Etc. Also Foods for Anæmic, Dyspeptic, Invalid and Aged People and Infants. Highly recommended by Medical Profession.
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SIZES	SELLING PRICES
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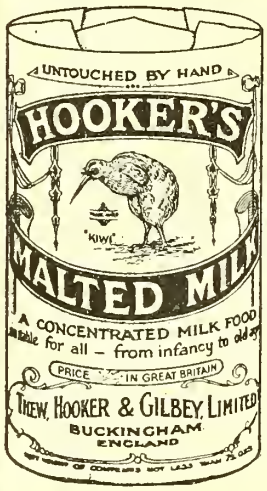

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CARAMEL COLOUR

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Guaranteed Harmless.

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Soluble in

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I shall continue to come again. Remittance enclosed herewith.
With best wishes, yours cordially, R. B.—

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OLIVE OIL
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In a leading article in the "Medical Press" of June 26, 1918, occurs the following:—

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Your Packets & Parcels

WILL BE NEATER AND STRONGER IF THEY ARE FASTENED WITH

"IRIS" GUMMED TAPE

IT IS CHEAPER AND BETTER THAN STRING OR WAX.

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1/2

MAKE YOUR OLD HAT A NEW ONE.

In bottles, 1/2 each, in separate neat cartons. These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

SUITABLE BRUSH SUPPLIED.

NO GLOSS.
NO POLISH.

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Write for Terms, Patterns, also Leaflet of Testimonials.

"Luton" HAT DYE

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GLOSSY SERIES supplied if desired. Special Non-inflammable Series for Export.

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WITHOUT ACID & WITHOUT PREPARATION

FOR HOME DYEING.

All these colours will dye either Wool, Silk or Cotton, or mixture of these. No separate dye required for each material. Easy and clean to use. No acids or preparation required. Make home dyeing a matter of interest and pleasure.

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For Floors, Furniture, and Woodwork generally. Patterns supplied.

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For Dyeing Tan Boots, Belts, Harness, Bags, Portmanteaux, and all leather goods a rich Black.

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The big profit maker and the most beautifully finished and attractive piece of Rubberware made.

It is moulded in one piece, without seam or join; has no uncomfortable rigid side flanges; has a larger capacity than any other bottle of its size; and has the original patent oval safety neckpiece, which never leaks. Handsome maroon colour.

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Reliance Moulded-Seamless, price	**7/6**	each retail.
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These are the best and fastest selling bottles in the trade. Ladies buy them before all others. Don't fail to see samples at once.

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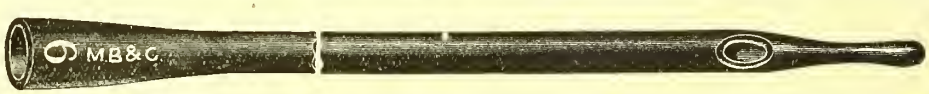

Catheters and Bougies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Œsophageal Instruments, Horse Catheters and Cattle Probangs. Wholesale and Export only. *Price List from the Manufacturers.*

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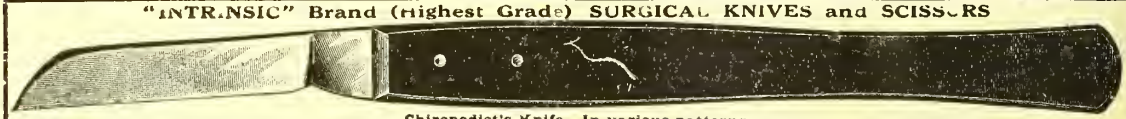

Chiropodist's Knife. In various patterns.

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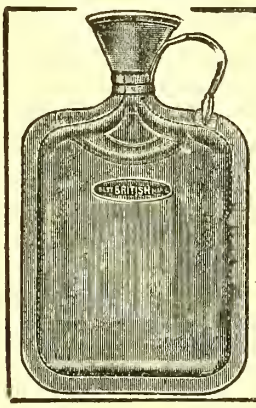

BEST BRITISH MAKE.

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White	3/11	4/2	4/6	5/-	6/-
Red	4/1	4/6	4/9	5/4	6/4

(Special Discount for Quantities.)

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GLOVES, TEATS, SOOTHERS
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Hot Water Bottle

The demand for this well-known guaranteed unleakable Hot Water Bottle is enormous and the profits in pushing its sales are really worth while.

The manufacturers are now free to concentrate on its manufacture, and they can definitely promise prompt supplies to chemists who apply ***NOW*** through their usual wholesale house,

The Winter Hot Water Bottle trade is here now, and a good supply of "Ronoleke" bottles will enable you to make good profits quickly off this well-known bottle.

Prices of the "Ronoleke" Hot Water Bottle

PROTECTED ON THE P.A.T.A. LIST

Size	Minimum Wholesale Prices to Retailers	Minimum Retail Prices to Public
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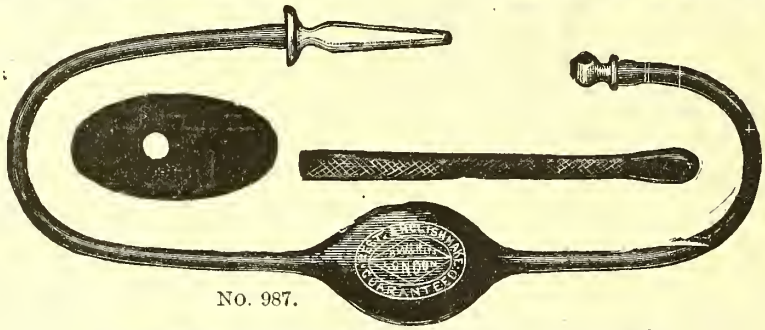
6×10	4/10	7/3
7×10	5/–	7/6
6×12	5/2	7/9
8×10	5/6	8/3
7×12	5/8	8/6
6×14	5/8	8/6
8×12	6/2	9/3
9×12	6/7	9/11
8×14	6/8	10/-
10×12	7/-	10/6
10×14	7/11	11/11
10×16	8/6	12/9
12×16	9/2	13/9

Apply for your Supply through your Wholesale House.

SEAMLESS ENEMAS.

Per Dozen **27/-**



Per Dozen **27/-**

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GUARANTEED FOR 2 YEARS.

		s.	d.
No. 987.—The **"B.E.M."** (best English make) with bone rectal pipe, etc., complete in superior card box, per doz.		**27**	**0**
,, ,, in leatherette dome-top case	,,	**30**	**0**
,, ,, extra stout ball and tubes	,,	**36**	**0**
No. 988.—The **"Empire,"** black polished, complete in card box	,,	**28**	**0**
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We are the right House for BRITISH-MADE GOODS—Anti-Rheumatic Rings, Bandages, Bathing Caps, Belts, Catheters, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Splints, Sponge Bags, Trusses, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE. ***OUR GOODS ARE RIGHT.*** ***MONEY BACK IF NOT SATISFIED.***

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RUBBER CORKS
IMPORTANT

It is not generally known that Corks made of Rubber are to-day 25% cheaper, are more serviceable, reliable, and give greater sealing facilities than any other kind. We specialise for the requirements of the Chemical Trade, and manufacture all standard sizes.

	Drab Ammonia Proof.	Drab Acid Proof.
Prices for 8-oz. Bottles ...	**3/3**	**4/3** per gross
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Other sizes—Prices on Application.

SPECIAL PRICES FOR LARGE QUANTITIES.

We also manufacture BUNGS for ½-gall. and 1-gall. Jars.

RED & BLACK RUBBER CORKS of the Best Quality for Laboratory use.

Inquiries Solicited.

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Manufacturers of all Rubber Specialities for Medical, Chemical & Laboratory use,

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Telephone: Letchworth 54. Telegrams: "Rubber Letchworth."

BETTER THAN GLYCERINE FOR WINTER USE.

MENOLAN

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FOR THE HANDS
THE EMOLLIENT THAT IS DIFFERENT

A highly satisfactory Product and a good repeater. Minimum Retail **7½d.** per tin. **60/-** per gross with 1 dozen Bonus and **2½%, cash in 30 days.**

MENOLAN CO. Ltd., BIRMINGHAM

"CORRUGATED"
ROLLS AND BOXES (Collapsible)

Cut Pieces. Cartons for Packing. Waxed Papers. Greaseproof Papers. Waxed Corrugated. Tinted Corrugated. Strong "Outers."

Complete Packing Schemes. **Keenest Prices.**

Inquiries Welcomed.

IMPORTANT. Address all letters to:
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GUILDHALL CORRUGATED PACKING MATERIALS CO.
Guildhall Buildings, Navigation Street, **Birmingham.**

£100 £200 £300

How much are you going to make?

IF you could see the books of other firms who sell Sorbo Sponges you would be astonished at the amount of business done in this highly profitable line. The figures are phenomenal. Exceptionally large sums have been made in a few weeks. Sorbo Sponges are ALL BRITISH and are sold at protected retail prices.

In districts where Sorbo Sponges are new, the very novelty of a Sorbo Window-Display attracts dozens of new customers. People are eager to see the rubber sponge that looks like natural sponge, but costs so much less. They come in to examine and stay to buy.

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It will pay you over and over again to stock Sorbo Sponges. Place your order to-day. Parcels of not less than 3 dozen assorted sponges, less 33⅓% and 3¾% cash, carriage paid U.K.

Sorbo Sponge

THE MOST ABSORBENT RUBBER SPONGE

Protected Retail Prices:

No. 1, 1/3; No. 2, 2/-; No. 3, 3/-; No. 4, 5/-; No. 4R, 7/6; No. 5, 10/6.

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Telephone: CITY 9372

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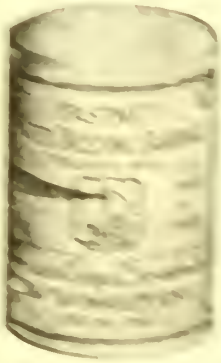
Sorbo Sponges can be obtained from leading wholesalers.

SATISFY YOUR CUSTOMERS

The "Fastnet" BANDAGES

In Sealed Cylinders.

Used by Discriminating Medical Men.



The following are a few of the many advantages of the "Fastnet" Bandages over any other Make obtaining Bandages on the market :—

(1) The cloth from which they are made is of our own manufacture, very absorbent and loose texture.

(2) They are quickly rolled by a rolling machine, the benefit of this will be at once appreciated by the surgeon when applying.

(3) They are correctly cut and neatly packed.

(4) They are each packed in a sealed cellulose, ensuring cleanliness in use and in storage and require no further wrapping before use.

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Allcock's
PLASTERS

Allcock's Plasters.
Allcock's Ozex and Burgess Plasters
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The Three Reliables.

ALLCOCKS PLASTERS

COTTON WOOL

PIPES AND SMOKERS' REQUISITES.

HARWOOD BROTHERS,

FOOT TROUBLES

Scholl's
Foot Comforts

THE SCHOLL MFG. CO., Ltd., London, E.C.

REDUCTION IN PRICES

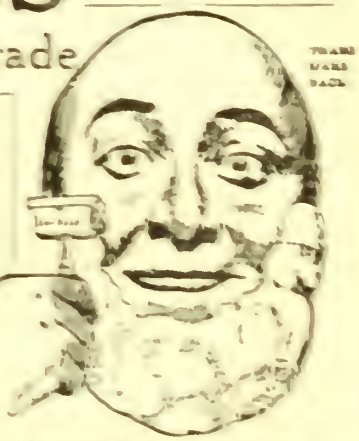
'Ever-Ready' 'Radio' Blades

'EVER-READY' 'RADIO' Blades fit Star, Clemak, Gem, as well as 'EVER-READY' Safety Razors

are now reduced in price to the Trade

24/- PER GROSS

TO RETAIL AT
6 for 1/6
12 for 3/-



This price reduction will create an enormous demand for these famous Safety Razor Blades. Are *you* stocked to meet the increased business? Order *now* and don't disappoint your customers. Remember the high quality of the Ever-Ready 'Radio' Blades is not only maintained but improved.

'EVER-READY' SAFETY RAZOR CO. LTD., 28-31, Portland Street, London, W. 1

Refuse and Beware of Inferior Imitations.

Manicure Specialities

May we Quote YOU for them?

YOU Need, and We Import largely:

"ANSONIA" Nail Clippers
"GEM" " "
Flexible Nail Files,
Manicure Sets,
GILLETTE Safety Razors,
GILLETTE Razor Blades,
(U.S.A.)
"VALET AUTO-STROP" Safety Razors,
"7 O'CLOCK" Safety Razors,
Etc. Etc.

It will pay you to write mentioning our Prices for these goods, and also the price and particulars of

The "AUTABLE III SILVER PASTE."
Quick, Clean & Lasting. It does not mark or scratch—no Gloves or Brushes required for its use.

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18 Victoria Street, LIVERPOOL.

USE UNSKILLED LABOUR TO WORK QUICKER, SAVE LABOUR.

Labour-Saving Machinery

FOR GLASS BOTTLE FILLING, JAR FILLING, SHALLOW TIN FILLING, FLASK, CAN AND DRUM FILLING.

Machines for filling all liquids and semi-liquids in any shape or size of receptacle. Write for particulars.

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Labour-Saving Machinery in comparison to what it can save, NEVER COSTS SO LITTLE AS NOW.

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PURE, NEUTRAL AND INSOLUBLE

GIVES A CLEAR AND BRILLIANT FILTRATE AT A MINIMUM COST

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What Is It?

CELLOPHANE

is a transparent film of pure Cellulose, **absolutely** air, grease, and odour proof, **unaffected** by cold, heat, or moisture, and **sterilisable.**

An **ideal wrapping** for Drugs, Tablets, Bath Crystals, Perfumery, Provisions, Sweets, Surgical Dressings, Articles of Toilet, &c. &c.

Will keep your Goods, Boxes, Bottles, and delicate Labels **clean** on the Counter and in Shop Windows, allowing the Articles to be seen **by transparency**. Can be had colourless, coloured and embossed.

Also in the shape of **Discs** for Creams, Ointments, Boot Polish, &c.

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GATES' BOTTLE CAPPING SKINS

ALSO GOLDBEATER'S SKIN FOR MEDICAL PURPOSES.

THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.

SNOW-WHITE OPAQUE ROLLED SKINS.

SOMETHING QUITE NEW. These Skins are damp and READY FOR USE. Used by all the Leading Perfumery and Drug Houses. ABSOLUTELY AS OPAQUE as Split Skins and equal in appearance.

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"SOLE PIONEER"
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LESLIE GATES
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Another New Speciality.—Try my TRANSPARENT SHEEP BAUDRUCHE CAPPING SKINS.

To Perfumers and Druggists.

If you wish to get the best value for money follow the lead of all large consumers, and place your orders for

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OPAQUE and TRANSPARENT, with

Robert Rawley,

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My Capping Skins are known to all large consumers to be the best on the market both for quality and price. They are all manufactured in London. Write for samples and particulars and compare with your present supplies, and see what I save you.

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Telephone: Central 13374.
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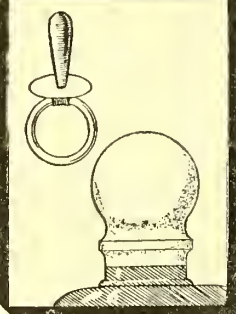

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BOTTLE CAP

It soothes the mind of the harassed Pharmacist who has cappings to arrange for.

SELF-FIXING AND SELF-FITTING.

Air-tight. Spirit-proof.

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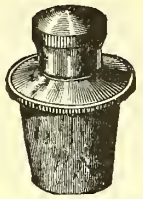

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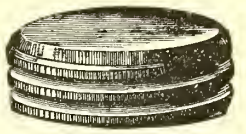
For Artists' Colours, Tooth Pastes, Lanoline, &c.



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METAL CAPS

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Collapsible Tubes

In pure tin, pure lead, or lead coated with tin, for rubber solution, artists' colours, tooth pastes and other toilet preparations

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Manufactured by

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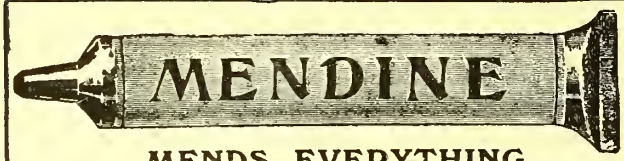

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Made from the finest materials obtainable. **Guaranteed** to retain its efficiency **for Six Years.** In **2d., 3d., 5d. & 7d.** Tubes. Boxed in dozens. Also in Bulk for Carpentry, Joinery and Aer nautical Works, etc. ½-lb., 1-lb., 14-lb., and 28-lb. Tins.

Indent through Merchant Shippers. Export Cases at Cost, f.o.b. London.

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I can supply BRILLIANTINES, LIMES, BAY RUMS, TOBINS, OVALS, CANNONS, TABLET BOTTLES, SCREW JARS, OILS, &c. Wholesale quantities only. Send me your inquiries.

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SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.

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Lightest and Whitest, also Purest Dense.

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This popular article is largely advertised and stocked by all Wholesale Houses

Trial size 8d., per post 10½d. Medium, 1/4, per post 1/7; Large, 3/6, per post 4/- 8d. size, 6/- doz.; 1/4 size 12/- doz. 3/6 size, 33/- doz.

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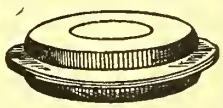

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Medicinal Capsules, Fine Chemicals.

CACHETS "FINOT"

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With Inscriptions in any desired tint: also Plain or Embossed.

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These Cachets are especially adapted for Headache, Neuralgia and other powders.

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HOT WATER BOTTLES—HEAVY MAKE.

8×6 **4/-**; 10×6 **4/3**; 10×8 **5/-**;
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IS AN ABSOLUTE AND PAINLESS CORN CURE.

PUFFS of ALL KINDS in DOWN and WOOL.

SOLID FACE POWDERS

COMPLETE WITH PUFFS.

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8½d. HEALTH SALTS 8½d.

½ lb. decorated lever lid tins,

6/6 per Doz. **66/-** Gross.

Cheques should be made Payable to:

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of 6 dozen and 1 dozen 6d. packets, along with full advertising matter for window? Carriage Paid to your address. Sales are immediate direct!

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Technical College, Swansea.

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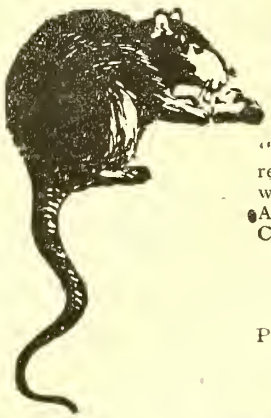
Full nine months' course for the Qualifying Examination of the Pharmaceutical Society commenced October 7, 1919.

For particulars, apply to the Acting Principal

? ARE YOU READY FOR ? RAT WEEK



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"RODINE" is the right weapon for the Rat War, and the recognised Rapid Rat Remover. It gives satisfactory results wherever used. On P.A.T.A. yields nearly 100 % profit. Appointed Agents are advertised locally. Mr. R. L. Fleming, Chemist, Hebburn Quay, says "RODINE" is a line to push.

Special Literature and Showcards on request.

TRADE TERMS:

Retail Prices:—7½d. 1/3 2/6 5/-
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Net. Cash with Order. P.A.T.A.

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THE RAPID RAT REMOVER

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THE CERTAIN REMEDY FOR PARASITIC MANGE IN HORSES, CATTLE, DOGS, &c.

BOXES OF 1 doz. 1/6 packets, 12/- per box. On P.A.T.A. list.

McDOUGALL BROS., Ltd., 66/68 PORT STREET, MANCHESTER.

Make more money with

Mend-a-Tear

PATENT

which mends any material without stitches. Packed in attractive cartons containing 3 doz. 1/- outfits. Smart advertising material supplied with each carton. Send for Chemists' proposition.

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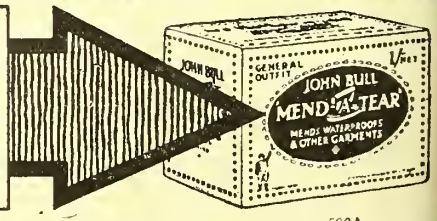

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SHEEP DIPS Poisonous and Non-Poisonous **of all kinds.**
DISINFECTANT SOAPS of all kinds.
Sole Proprietors and Manufacturers of
PHENOID (formerly called PHENYLE).

DISINFECTANTS of all kinds, including LYSOL SUBSTITUTE and High Co-Efficients.

Largest Makers of Non-Poisonous Sheep Dip in the World.

EXTIRMO Regd.

Kills, Mummifies, and Dries Up

RATS - MICE - BEETLES

The public know it, and ask for it. This is proved by our mail order business, but we prefer the sales coming through the Wholesale and Retail Chemists. We are about to make EXTIRMO better known by an extensive Press Advertising Campaign, and we wish every Chemist to get in a stock to cope with the demand this winter, and especially for

NATIONAL RAT WEEK

EXTIRMO was discovered after several years of research work by an eminent chemist, at the request of a large London Furrier, who lost thousands of pounds worth of goods through RATS, and had tried many methods of destruction without the desired result until he tried EXTIRMO.

Our Display Terms for RAT WEEK show over 100 per cent. Profit.

Here they are—P.A.T.A.

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3 doz. 7½d. size @ 4/-		12	0
2 ,, 1/3 ,, @ 8/-		16	0
1 ,, 2/6 ,, @ 20/-	1	0	0
½ ,, 5/- ,, @ 40/-	1	0	0
	£3	8	0
Less 2½ %		1	10
	£3	6	2

Your outlay £3 6 2

SELLING PRICE.	£	s.	d
3 doz. 7½d. size ...	1	2	6
2 ,, 1/3 ,, ...	1	10	0
1 ,, 2/6 ,, ...	1	10	0
½ ,, 5/- ,, ...	1	10	0
	£5	12	6
Bonus—1 doz. 7½d.		7	6
,, 1 ,, 1/3		15	0
	£6	15	0

Your profit £3 8 10

DISPLAY MATERIAL SUPPLIED.

Order EXTIRMO A (Yellow Tin) for Rats and Mice.
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E. H. WRIGGLESWORTH, LTD.

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THE EFANDEM CO. LTD.

BRITISH "TEC" MAKE

Manufacturers of T.E.C. Goods

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BRITISH "TEC" MAKE

Electric Pocket Lamps, Torches
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FOR EXPORT & HOME TRADE.

WOOD BOXES AND TRAYS OF EVERY DESCRIPTION

Partitioned Cases & Crates

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Shooks and Prepared Sawn Wood

Specialities:

LINDERMAN JOINTED SHOOKS.

CHEAP, NON-RETURNABLE, COLLAPSIBLE CASES FOR HOME TRADE.

Established Over 100 Years

A typical example of our Work.

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Each Shopfront we build remains a visible exposition of that constant superiority typical of the Parnall Service which enables us to make the above claim.

We have erected Shopfronts for the most successful houses the world over.

Don't forget that Goods well shown are half sold.

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Works:
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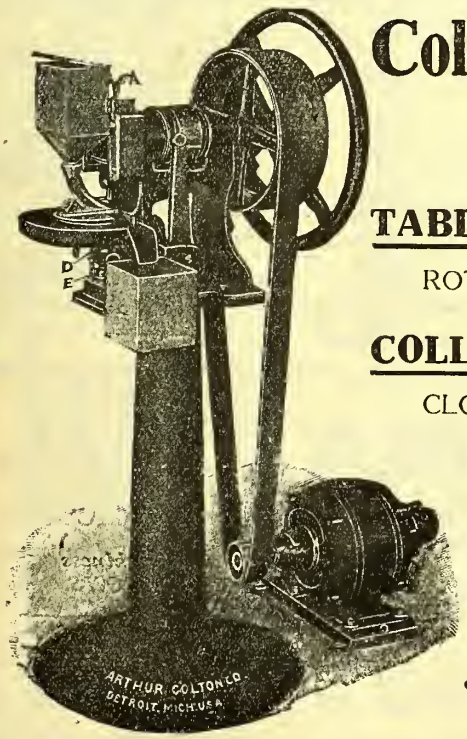

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COLLAPSIBLE TUBE FILLING AND CLOSING MACHINES. FOR HAND OR POWER.

COMPLETE PLANT FOR

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THE ALL-BRITISH

THREE STAR BATTERY

DEFIES FOREIGN COMPETITION

MADE IN ENGLAND WITH BRITISH CAPITAL AND BY BRITISH LABOUR.

Ask your Factor always for *"THREE STAR,"* or write direct to the Manufacturers.

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Pocket Lamps

HAND LAMPS, TORCHES, SMALL DYNAMOS, MOTORS, SHOCKING MACHINES, ACCUMULATORS, etc.

NEW PRICE LISTS *now ready.*

AND DO NOT FORGET OUR SPECIAL

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Manufacturing Electricians,
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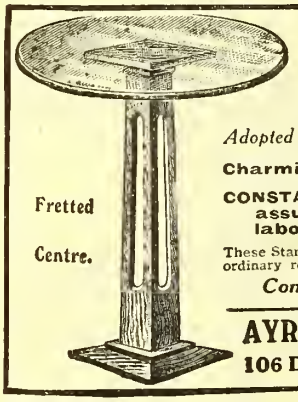

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Plate Glass Shelves.

Adopted by Leading Window Dressers

Charming and Artistic Effects

CONSTANT CHANGE OF SHOW assured. Window-dressing labour more than halved

These Stands can be used in conjunction with ordinary rows of Window Shelves if desired

Complete Sets from 30/-

AYRTON-GRAHAM, Ltd.
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FLY GUM

For Fly Papers and Reels.

Guaranteed to retain its stickiness TWO OR MORE SEASONS.

Prepared by
E. H. WRIGGLESWORTH,
Manufacturing Chemist - HULL.

New list now ready, write for copy.

The Coal Shortage and cutting down of street lighting will enable you to sell more

BATTERIES

Buy only those with a reputation for

1—LONG LIFE. 2—RECUPERATIVE QUALITIES. 3—GUARANTEE.

All Batteries bearing this Label can absolutely be relied on.

No. 3 guaranteed 3 months
No. 4 " 4 "
No. 6 " 6 "

Packed in cardboard outers containing 3 dozen Batteries.

14 different patterns in Pocket Lamp cases in stock. Write for prices and sample collection.

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Telegrams: "Sourcrout (ALD), London." Telephone: Avenue 3737.

New list now ready, writ for copy.

GUARANTEE
SHOULD THIS BATTERY SHOW ANY SIGN OF DEFECT WITHIN FOUR MONTHS FROM DATE OF DELIVERY IT WILL BE EXCHANGED FREE OF CHARGE PROVIDING IT HAS NOT BEEN IN USE AND THE GUARANTEE LABEL IS INTACT.

REAL SILVER LEAF

As supplied for many years to the leading Houses for Pills, Cachous, &c.

We also supply

GOLD LEAF AND GOLD POWDERS

WHOLESALE ONLY.

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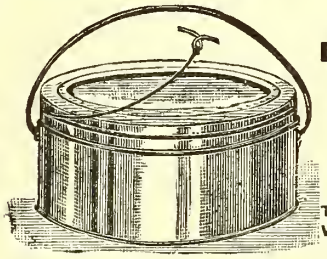

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TIGHT SEAMING & VARNISH BOTTLES A SPECIALITY.

Patent Air Tight Slip-lid Tin for Export

Prompt Deliveries Assured.

6,500 ONLY BRITISH MADE Standard Size ($6\frac{1}{2} \times 1\frac{1}{2}$ in.) ELECTRIC TORCHES

Complete with "Volex" Batteries and Jewel Metal Filament Bulbs.

27/- per dozen.

Most reliable torch at a popular price, thoroughly strong and well constructed, fitted with patent, permanent switch. Complete with best "Volex" Batteries and Jewel Metal Filament Bulbs No. X 15, **27/-** doz. Retail value, **4/6** each.

Also supplied in high-grade finish for best-class trade, with nickelled fitting, complete with best "Volex" Batteries and Jewel Metal Filament Bulbs. No. X 9, **33/-**.

High-grade, large size. All-metal case, ebonised body and nickelled mounts. Fitted with patent, permanent switch. Complete with best "Volex" Batteries and Jewel Metal Filament Bulbs. No. X 8, **36/-** doz.

Also supplied with extra large lens (2" in.) giving a wide range of illumination. Complete with best "Volex" Batteries and Jewel Metal Filament Bulbs. No. X 26, **42/-** doz.

Best Quality
"VOLEX"
POCKET LAMP BATTERIES
BRITISH MADE **8/6** Doz. net.

NEW SEASON'S LIST illustrating full range of Electrical Pocket Lamps, Torches, Hand Lamps, Medical Coils, Bells, etc., on application.

The "Multum" Torch Accumulator.

Suitable for Home and Export. Unspillable, clean, lasting, and reliable—12 hours light at a charge. No heavier than dry battery refill.

2-Volt Type. Size $4\frac{3}{4} \times 1\frac{1}{4}$ in. Weight 6 ozs. Fits the standard large 2-cell case. Price **4/-** each net.
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Complete with "Ellesmere" torch case and special metal filament bulb. Price **10/-** each net.

Best Quality **METAL FILAMENT BULBS** 2.5 & 3.5 volts.
4/- doz. net.

Avoid cheap bulbs which ruin the Refill.

ELECTRICAL POCKET LAMPS
British Made.

Fitted with $1\frac{1}{4}$ in. Lens, Patent Switch, Metal Filament Bulb, and best Battery. For full range of Prices see new List.

	No.	Doz. Net.
Popular quality, assorted covers, polished fittings	310	18/-
Medium quality, leatherette covers, nickelled fittings	325	Doz. Net. 20/-
Superior quality, best leatherette covers, & heavily nickelled ...	324	Doz. Net. 26/-
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Ward & Goldstone
SALFORD MANCHESTER

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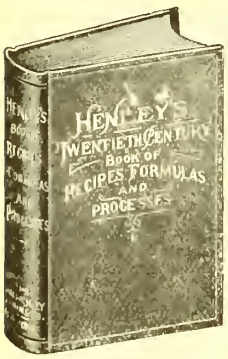

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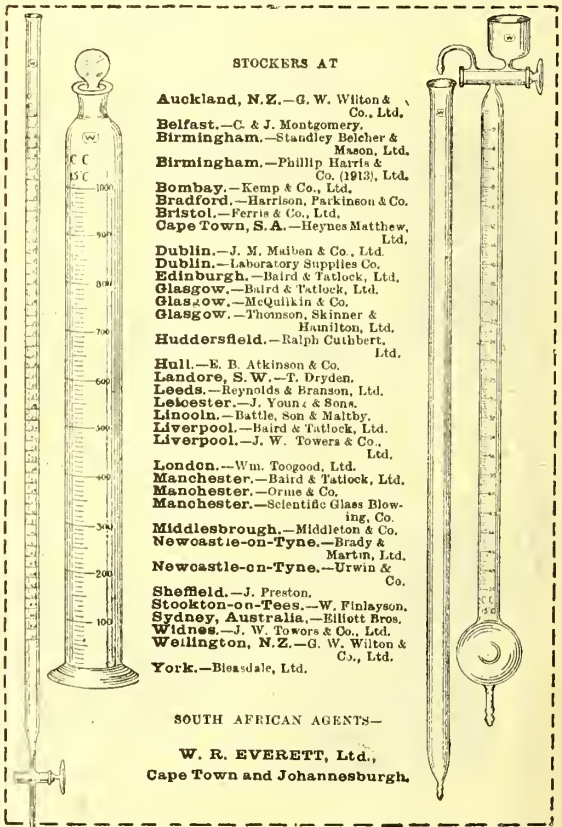

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